

CENTRAL HUDSON GAS & ELECTRIC CORPORATION

CASE 23-E-0418 & CASE 23-G-0419

REBUTTAL TESTIMONY OF THE COMMON CAPITAL AND OPERATIONS PANEL

SCHEDULE OF EXHIBITS

Building 805/806 Rebuild Project Details	Rebuttal Exhibit __ (CCOP-1R)
Central Hudson Responses to DPS Staff Information Requests	Rebuttal Exhibit __ (CCOP-2R)
Category 43 Tools Details	Rebuttal Exhibit __ (CCOP-3R)

The following is a listing of all the Company's responses to DPS information requests that the Company relied upon in the development of its rebuttal testimony:

CHGE Response to DPS-31, IR-710

Central Hudson Gas & Electric Corporation
Cases 23-E-0418 and 23-G-0419

BUILDING 805/806 PROJECT DETAILS

Basis of estimate for Building 805-806 project:

Actual cost from Newburgh New Facility (WO 8427) - Facility Assessment/Programing/Schematic design			
Professional Services	\$	185,487	
CH Labor	\$	3,429	
Overheads	\$	2,145	
AFUDC	\$	23,915	
A&A overhead assume 20% to AP	\$	37,097	
* A&A not charged to this WO due to date of origination			
			*inflation rate
Total Facility Assessment estimate (assume all occur in 2021)	\$	252,073	2021 0%
	\$	270,979	2022 8%
	\$	281,005	2023 4%
	\$	287,468	2024 2%
	\$	293,505	2025 2%
	\$	299,669	2026 2%
Total Facility Assessment estimate (inflated to 2027)	\$	305,362	2027 2%
Actual cost from Tannersville Headquarters (WO 6649) - Property search/due diligence/layout	\$	69,013	2022
	\$	71,566	2023
	\$	73,213	2024
	\$	74,750	2025
	\$	76,320	2026
Total Property due diligence (inflated to 2027)	\$	77,770	2027
Assume \$2,000,000 cost for property, 25% to hold until municipal approval for project obtained	\$	500,000	
Contingency (20% per CH project management guidelines)	\$	176,626	
Total estimate for project	\$	1,059,759	

*Inflation rates from Jan. 2023 BlueChip price index

Central Hudson Gas & Electric Corporation
Case Nos. 23-E-0418 & 23-G-0419
Response to Interrogatory / Document Request

Request No.: DPS-31, IR-710
Requested By: DPS - Samantha Illenberg
Date of Request: Common Capital and Operations Panel
Witness: October 18, 2023
Subject: Common Plant Buildings and Land, Office Equipment,
Tools and Transportation Follow Up to DPS-511

Question:

In all interrogatories, any requests for workpapers or supporting calculations shall be construed as requesting any Word, Excel, or other computer spreadsheet models in original electronic format with all formulae intact and unlocked.

- a) For the Office Chair Replacement Program:
 - i. Provide the invoices or quote supporting the \$547 per chair expense referenced in the Company's Provide an explanation of the formula in Cell L9 of Attachment 1 to the Company's response to DPS-511, regarding the cost for a standard chair.
 - ii. Referring to the Company's answer to question (b)(ii) of DPS-511, explain the Company's reasoning for using a 5% annual replacement figure.
 - iii. The total chairs to be replaced includes field employees as well as office employees. Explain why field employees need replacement chairs. Also explain the criteria used to determine which employees need and utilize chairs, and which employees may not.
- b) Explain, with supporting documents including estimates and historical invoices, how the Company calculated the projected number of workstations for the Primary Control Center, Training Academy – Annex, Training Academy – Academy, Tannersville Building, Transportation Building, Butler Building, and Ellenville Office Renovation.
- c) Referring to the Company's answer to question (b)(i) of DPS-511, specify what purchases make up this value. Provide the Company's calculations, and supporting invoices or estimates to support those calculations.
- d) The Company's answer to question (b)(iii) of DPS-511 references a "per workstation" cost. The answer to question (b) references a per-workstation cost of \$5,938 from the recent building 808 project. Explain, with supporting documentation, how the Company calculated this value. Also explain why this particular building 808 project was used for the per-workstation estimates, and how this value is applicable to the other building projects.
- e) The Company's answer to question (b)(vii) of DPS-511 states, "The budget for the Training Academy – Academy is a preliminary guidance provided by the project Architect based on the current state of the project design." Provide the estimates given by the referenced architect, along with any all invoices, estimates, and workpapers to support this value.
- f) Fill in the attached chart with the Actual Spending for historic years 2020, 2021, 2022, and 2023 year to date.

Central Hudson Gas & Electric Corporation
Case Nos. 23-E-0418 & 23-G-0419
Response to Interrogatory / Document Request

COMMON - CATEGORY 42 EXPENDITURES				
	2020	2021	2022	2023 Year to Date
PROJECT				
Daily Operations- Misc furniture				
Office Chair Replacement Program				
Revamping space to meet needs of hybrid workforce model	0	0	0	0
Primary Control Center (42)	0	0	0	0
Training Academy, Annex (15)	0	0	0	0
Training Academy, Annex (training equipment)	0	0	0	0
Training Academy, Academy	0	0	0	0
Newburgh- New Facility (50)	0	0	0	0
Tannersville- New Facility (7)	0	0	0	0
Transportation Building - EC (3)	0	0	0	0
Bulter Building Rebuild (5)	0	0	0	0
Building 805/806 Rebuild (20)	0	0	0	0
Ellenville Office Renovation (6)	0	0	0	0

Response:

a) Office Chair Program

- i. Please see DPS-710 Attachment 1 Confidential for vendor proposal. It should be noted Attachment 1 is dated October 2023 and reflects a price increase that went into effect October 1, 2023. The budget number used in the work paper was verbally communicated prior to that increase. The formula in cell L9 multiplies the estimated per chair cost (cell L6) x 5% of the number of employees at Central Hudson (cell L8).
 - ii. 5% per year replacement averages out to a 20-year life of each chair. These chairs have a 12-year manufacturers warranty and will be supported beyond that by the local supplier so they are built to have a long service tenure. Therefore a 20- year life was used to balance operational need and cost.
 - iii. The total number of employees was used as a basis for chairs needed. Although field employees are not in the office full time, each employee does require a seat for when they are in the building. Internal assessments will occur to re-deploy existing chairs to field crews so brand-new chairs are utilized daily by office employees. Additionally, chairs used in common spaces such as conferences rooms will need to be replaced as they reach the end of useful life but are not included in the "total number of chairs" used in this budget assumption but would be part of the chair replacement program expenditures.
- b) Please see DPS-710 Attachment 2, Attachment 3 and Attachment 4.
- c) Misc. Furniture consists of all needs of the organizations including desks, tables,

Central Hudson Gas & Electric Corporation
Case Nos. 23-E-0418 & 23-G-0419
Response to Interrogatory / Document Request

cabinets, appliances, sit/stand desk, lockers etc. Please see attached DPS-710 Attachment 5 Confidential.

- d) The building 808 project is the most recent project where all the typical office equipment needed to set up a new building was collected on 1 work order. This expenditure includes all workstation furniture as well as furniture needs for common areas of the building such as conference rooms, break rooms and storage. The needs of the planned new buildings will also include common area furniture so the approach to average all furniture costs to a per seat methodology was chosen so it could be applied consistently to future projects. The calculation for the per workstation cost from building 808 is included in the Attachment submitted with the response to DPS-511. The chart is labeled "Workstation Estimate (based on 808-WO 3860-H)."
- e) This is not available. The estimate was provided verbally for budget purposes. A more detailed budget will be developed as the project progresses.
- f) There has been no spending for any of the specific projects between 2020 and current. The misc. Furniture and office chair replacement programs have not been separated historically. The total expenditures (less building 808) are included in the Attachment submitted with the response for DPS-511 in the "run rate" column of the table labeled "4210 3-year actuals". 2023 year to date is ~\$53,000.

Documents Attached:

DPS-710 Attachment 1 Confidential
DPS-710 Attachment 2
DPS-710 Attachment 3
DPS-710 Attachment 4
DPS-710 Attachment 5 Confidential

Response By: Common Capital and Operations Panel
Title(s): Please Refer to Testimony
Date of Response: November 2, 2023

PUBLIC REDACTED

**QUOTE #DC-102323**

October 23, 2023



375 Main Street, Poughkeepsie NY 12601

P. 845-471-7910 F. 845-471-3274

www.TheWowGuys.com

7 Wisner Ave, Newburgh NY 12550

P. 845-565-6673 F. 845-565-7269

CHGE**RJ Scandariato**

South Rd

Poughkeepsie NY, 12601

PROJECT: Chair Quote**EMAIL: Rscandariato@CenHud.com**

Item	PRODUCT CODE	DESCRIPTION	QTY	List Price	Extended Price
Item #1	OM Seating	YS79 High Back Task Chair with headrest. KR200 Memosoft Ergo Edge adjustable arms included. Black Frame and Base. Mesh Back - Grade 1 Fabric Seat	1		
QUOTE NOTES:			Product Subtotal		
SALES REP: DAN CHICKERY			Delivery & Install		
TEL: 845-471-7910			N.Y.S. Tax (8 1/8%)		
EMAIL: Dan@TheWowGuys.com			-----		
It is the customers responsibility to review all quantities, sizes, colors, etc. on this quote for accuracy before placing an order. Items are NOT returnable.			INVOICE TOTAL		

ACCEPTED BY, AS QUOTED: _____, DATE: _____

CAT.	Description	Discretion Level	2024	2025	2026	2027	2028	5-Year Total
43	Tools	Based on 3 year average 2026-2028 includes incremental \$100K/year from Annex tools for Electric and Operation Services; additional \$303K for Gas Operations tools in Annex in 2027	1,569.00	1,569.00	1,569.00	1,569.00	1,569.00	7,845.00
43	Tools		-	-	100.00	403.00	100.00	603.00
43	Subtotal (Without Inflation)		1,569.00	1,569.00	1,669.00	1,972.00	1,669.00	8,448.00
	Total - With Inflation		1,605.00	1,638.00	1,779.00	2,144.00	1,848.00	9,014.00

Total	\$ 296,141.47
--------------	----------------------

Electric / Operations Services Tools (\$100K / year for 3 years)

Climing belts, bucket harnesses and carry bags (30 sets)
Cut away URD transformer "NETS"
Portable Thumper
Hastings Hot Stick Tester
Hastings Hot Stick Tester Racks
Transformer Training Equipment - In Classroom Version
AC Hi Pot
DC Hi Pot
Doble TDR900 Analyzer
Contact Parting Time Vangard CT3500
Meggar DLRO 600 Ductor
Dilo SF6 Gas Analyzer
Fluke Multi Meter Model 77
Fluke Clamp on Ammeter
Fluke Scope Meter 190-504 III
Portable Grounds (Quantity of 6)
Chance Shot Gun Stick
Salisbury Voltage Detector
Chance 40' Foreman Stick (Quantity of 2)
Makita Power Tools XT1501
PROTO Master Tool Set

Total**300,356.11**

Price Quotation

**LINCOLN
ELECTRIC**

Click on Logo When Complete

The Lincoln Electric CompanyTerrence Saylor
Northern New York
Tel: 315.882.8904terrence_saylor@lincolnelectric.com

Quote Date	January 20, 2023
Quote Expiration Date	February 19, 2023
Quote Number	
Quote Type	LIST ONLY

Customer	Quote / Project Description
Name Mr. John DeGregoria Company Name Central Hudson Street Address 2001 Rt .9W City, State, ZIP Kingston, NY, 12249	Spec List for Training Center

Item	Qty	Part Number	Description	Industrial Price	Unit Price	Extended Price
1	6	K3734-1	PIPEFAB™ Ready-Pak® 200/208/220/230/380/400/415/460/575 / 3 / 50 /			
2	6	K2808-1	Tomahawk® 1000 Plasma Cutter with Hand Torch 208-575/1/3/50/60			
3	6	K2848-3	LC65M Machine Plasma Torch - 25 ft (7.5m)			
4	2	K2942-1	HydroGuard® Electrode Oven - 115/120 V			
5	2	K4259-3	Mobiflex® 200-M LFA 3.1 10 ft Arm and Arc Sensor/Lamp Kit One-Pak Pkg. 120/1/60			
6	2	K2751-10	DownFlex® 200-M Weld Fume Downdraft Table 208-230/460/3/60			
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

Special Notes and Instructions
1)
2)
3)

Delivery Instructions
1)
2)

Subtotal:
Page 2 Subtotal:
Shipping
Tax
Total

Please confirm your acceptance of this quote by signing this document:

Signature: _____
Print Name: _____
Date: _____

If you have any questions concerning this quotation, please contact:

Name: _____
Phone: _____
E-mail: _____
Thank you for your business !



Quotation

PLCS, LLC
102 Gaither Drive, Unit 1
Mt. Laurel, NJ 08054

Phone: (856) 722-1333
Fax: (856) 273-9723
Email: Info@plcsusa.com
Web Site: plcsusa.com

To: **John M DeGregoria**
Central Hudson Gas & Electric
845-546-4036
jdegregoria@cenhud.com

Date: 1/25/2023
Quotation Number: Q6754
Good Until 2/24/2023
Quotation by: Joe Tete
Lead Time: In Stock
Terms: Net 30
FOB: Mt. Laurel, NJ
Freight: Prepaid & Add

ALH System-One Drill and Tapping Machine for 3/4"-2 1/2" Taps, 4"-8" CI STL Mains

Qty	Description	Part #	Price Each	Discount	Total
1	ALH Control Valve	46-A0001			
1	3" - 12" Chain Assembly	46-A0013			
0	12" - 24" Chain Assembly	46-A2900			
0	3" Saddle	46-A0002			
1	4" Saddle	46-A0003			
1	6" Saddle	46-A0005			
1	8" Saddle	46-A0007			
0	10" Saddle	46-A0009			
0	12" Saddle	46-A0010			
0	16" Saddle	46-A0072			
0	20" Saddle	46-A0073			
0	24" Saddle	46-A0074			
10	4" System-One Silicone Gasket/Steel Mains	46-006-0102			
10	6" System-One Silicone Gasket/Steel Mains	46-006-0103			
10	8"+ System-One Silicone Gasket/Steel Mains	46-006-0100			
1	Valve Wrench	46-A0012			
1	Chain Steady Wrench	46-A0014			
1	1/2" - 2 1/2" Drilling Head	46-A4500			
1	Ratchet Lever for ALH 2 1/2"	46-M4162			
1	Shaft Collar	46-M2177			
1	Nylon "C" Snap-on Shaft Collar	46-M2176			
1	T-Handle Hex Wrench	46-A0017			
1	Plug Fitting Canopy	46-A0018			
1	Magnetic Plug Fitting Spindle	46-1079000			
1	3/4" Plug Carrier	46-1070005			
1	1" Plug Carrier	46-1070004			
1	1 1/4" Plug Carrier	46-1070002			
1	1 1/2" Plug Carrier	46-1070003			
1	2" Plug Carrier	46-1070006			
1	2-1/2" Plug Carrier	46-1070007			
1	Plug Carrier Hex Wrench	46-A0020			
1	Laminated Magnetic Warning Tag	46-LMWT			
1	Machine Steel 3/4" NPT Tap	46-B0260			
1	Machine Steel 1" NPT Tap	46-B0261			
1	Machine Steel 1 1/4" NPT Tap	46-B0262			
1	Machine Steel 1 1/2" NPT Tap	46-B0263			
1	Skip Tooth 2" NPT Tap	46-B0264			

Qty	Description	Part #	Price Each	Discount	Total
1	Skip Tooth 2-1/2" NPT Tap	46-B0265			
2	3/4" Fine Tolerance Holesaw	46-A0265			
2	1" Fine Tolerance Holesaw	46-A0266			
2	1 1/4" Fine Tolerance Holesaw	46-A0267			
2	1 1/2" Fine Tolerance Holesaw	46-A0268			
2	2" Fine Tolerance Holesaw	46-A0269			
2	2-1/2" Fine Tolerance Holesaw	46-A0271			
1	1" System-One Shell Cutter for Steel Mains	46-A0304			
1	1- 1/4" System-One Shell Cutter for Steel Mains	46-A0305			
1	1- 1/2" System-One Shell Cutter for Steel Mains	46-A0306			
1	2" System-One Shell Cutter for Steel Mains	46-A0307			
1	2 1/2" System-One Shell Cutter for Steel Mains	46-A0308			
1	Shell Cutter Special Nut (for 1 1/4" ONLY)	46-0045-0020			
1	Shell Cutter Tightening Tool (for 1 1/4" ONLY)	46-0045-0021			
1	Kool Mist 77	46-11365K61			
1	Holesaw Box Wrench	46-A0259			
1	Coupon Retention Magnet	46-B5010			
1	Motor Drive Socket	46-M4163			
1	Ingersoll Rand Air Drive	46-A0028			
1	Wooden Box - Drilling Head	46-B5003			
1	Wooden Box - Single Valve	46-B5001			
1	Inspection Canopy	46-A0015			
0	Blanking Cap	46-A0050			
	Total				



Bill To
123620
CENTRAL HUDSON GAS & ELECTRIC
284 SOUTH AVE
POUGHKEEPSIE, NY 12601

Ship To
CENTRAL HUDSON GAS & ELECTRIC
KINGSTON STOREROOM
2001 ROUTE 9W - LOWER BLDG
LAKE KATRINE, NY 12449

Quote Number	54003404
Quote Date	02/02/23
Expiration Date	02/09/23
Page	1 of 1

Payment Terms NET 30	Customer Job/Project Name FUSION EQUIPMENT	Written By APRIL KRUEGER
Freight Terms PREPAID AND ADD	Contact JOHN DEGREGORIA 845-546-4036	Sales Rep STEVE MCDONALD
Ship Via Best Way	Additional Info NEW TRAINING CENTER	

#	Qty	UM	Product	Description	Each	Extended
1	1	EA	75106007	HIGHLAND VORTEX W/GPS 120V 30A USA/CSA BT CASE AW18-0304 STOCK		
2	1	EA	75000030	HIGHLAND SUPERCCELL LED.BT.3M RA PLG, RA 447 TRM, GPS AW50-0060 STOCK " Supercell is Fully Regulated Class 9 hazardous material (UN3481 - Lithium Ion Batteries Contained in Equipment) and requires specific adherence to procedures and markings outlined by the Department of Transportation when shipping or transporting. As such, ISCO will arrange all shipments of Supercell".		
3	1	EA	75020000	1/2" - 2" BUTT FUSION MACHINE 100-120V 50/60HZ, 1PH, A217201 STOCK		
4	1	EA	75140000	# 14PB DIPS FUSION MACHINE PKG 100-120V 50/60HZ 1PH A430101 STOCK		
5	1	EA	75280000	2" - 8" DIPS BUTT FUSION MACH HIGH FRC, 120V, 60HZ, 1PH A860805 STOCK FREIGHT ADDITIONAL		

ISCO Standard Terms and Conditions apply. Please visit <http://www.isco-pipe.com/terms-and-conditions>

Merchandise Total	Tax(1)	Freight(2)	Q
	0.00	0.00	U
1 Sales tax will be charged based on the ship to address at the time of invoice if there is no tax certificate on file.		Accepted By: _____	
2 Freight amount in this quote is an estimate only. Actual freight terms and charges will be determined at the time the order is placed.		Printed Name: _____	
		Date: _____	

CRYO WELD CORP

1725 ULSTER AVE
LAKE KATRINE, NY 12449
US
845-336-8680

Order Number	
1024464	
Order Date	Page
01/23/2023 15:23:39	1 of 3

Quote Expires On: 02/22/2023

Bill To:CENTRAL HUDSON GAS & ELECTRIC
ACCT PAYABLE SECTION
284 SOUTH AVENUE
POUGHKEEPSIE, NY 126010000**Ship To:**CENTRAL HUDSON GAS & ELECTRIC
WELDING DEPARTMENT
2001 ULSTER AVE - ROUTE 9W
LAKE KATRINE, NY 12449

8458833329

Attn: . .

Customer ID: 10718

PO Number					Ship Route	Taker		
89920					DAILY	JOHN.VANACKOY		
Quantities					Item ID Item Description	Pricing UOM	Unit Price	Extended Price
Ordered	Allocated	Ret Cyl	UOM Unit Size	Disp.		Unit Size		

Customer Note: ***MUST GET EMPLOYEE NUMBER & SIGNATURE*****Delivery Instructions:** USE DOOR E9 FOR MAINTENANCE

6.00	0.00	EA			COXSHW-N-150	EA		
			1.0		SPRING REWIND HOSE FOR OXY		1.0	
					ACETYLENE 1/4			
					SPRING REWIND HOSE FOR OXY			
					ACETYLENE 1/4 1 D 50			
4.00	0.00	EA			VIC0384-2100	EA		
			1.0		JOURNEYMAN 540/300 EDGE		1.0	
					JOURNEYMAN 540/300 EDGE			
4.00	0.00	EA			VIC0384-2126	EA		
			1.0		VICTOR PERFORMER EDGE 2.0 OUTFIT		1.0	
2.00	0.00	EA			VIC0380-0217	EA		
			1.0		MT210A MACHINE TORCH		1.0	
					W/FLASHBACK ARRESTO			
					MT210A MACHINE TORCH			
					W/FLASHBACK ARRESTORS			
2.00	0.00	EA			H&MHM00	EA		
			1.0		#0 H&M 2-4 IN PIPE CAPACITY BEVEL		1.0	
					MACH.			
2.00	0.00	EA			H&MBOX00	EA		
			1.0		#0 STORAGE BOX		1.0	
2.00	0.00	EA			H&MHM01	EA		
			1.0		#1 H&M 3-8" PIPE CAPACITY BEVEL		1.0	
					MACH.			

CRYO WELD CORP

1725 ULSTER AVE
LAKE KATRINE, NY 12449
US
845-336-8680

Order Number	
1024464	
Order Date	Page
01/23/2023 15:23:39	2 of 3

Quote Expires On: 02/22/2023

Quantities					Item ID Item Description	Pricing UOM	Unit Price	Extended Price
Ordered	Allocated	Ret Cyl	UOM Unit Size	Disp.		Unit Size		
2.00	0.00		EA		H&MBOX01	EA		
			1.0		#1 STORAGE BOX	1.0		
2.00	0.00		EA		H&MHM02	EA		
			1.0		#2 H&M 6-12 IN PIPE CAPACITY BEVEL MACH.	1.0		
2.00	0.00		EA		H&MBOX02	EA		
			1.0		#2 STORAGE BOX	1.0		
1.00	0.00		EA		H&MHM03	EA		
			1.0		#3 H&M 12-20 IN PIPE CAPACITY BEVEL MACH	1.0		
1.00	0.00		EA		H&MBOX03	EA		
			1.0		#3 STORAGE BOX	1.0		
8.00	0.00		EA		MAKGA5053R	EA		
			1.0		4-1/2"-5" PADDLE SWITCH GRINDER	1.0		
8.00	0.00		EA		RID56672	EA		
			1.0		RJ-99 ROLLER HEAD PIPE STAND	1.0		
8.00	0.00		EA		RID56662	EA		
			1.0		VJ-99 V-HEAD PIPE STAND	1.0		
2.00	0.00		EA		EVOS380CPS	EA		
			1.0		EVOLUTION 14" CHOP SAW	1.0		
200.00	0.00		FT		DW2/0FPBLK	FT		
			1.0		2/0 FLEX-A-PRENE BLK 500'	1.0		
4.00	0.00		EA		TWEA-532	EA		
			1.0		TW A 532 HOLDER9110 1101	1.0		
					TW A 532 HOLDER9110 1101			
2.00	0.00		EA		STC860-14	EA		
			1.0		CART WITH SC 10 WHEEL 21 CYLINDER CAPAC	1.0		
					CART WITH SC 10 WHEEL 21 CYLINDER CAPACITY			
1.00	0.00		EA		BUG2915	EA		
			1.0		TORCH HOLDER	1.0		

CRYO WELD CORP

1725 ULSTER AVE
LAKE KATRINE, NY 12449
US
845-336-8680

Order Number	
1024464	
Order Date	Page
01/23/2023 15:23:39	3 of 3

Quote Expires On: 02/22/2023

Quantities					Item ID	Pricing	Unit Price	Extended Price
Ordered	Allocated	Ret Cyl	UOM Unit Size	Disp.	Item Description	UOM Unit Size		

Total Lines: 20

SUB-TOTAL:**TAX:****AMOUNT DUE:**

U.S. Dollars



PPI GAS DISTRIBUTION, INC.
33 GREAT HILL ROAD
NAUGATUCK, CT 06770
203-723-5215 • (fax) 723-2438 • www.ppigas.com

QUOTE

DATE: 03/29/2023

TIME: 3:04 PM

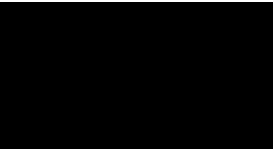
Pages to Follow: 0

TO: Central Hudson

ATTN: John Degregoria

REF: Requested Pricing

WE ARE PLEASED TO OFFER THE FOLLOWING

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>UNIT PRICE</u>
1	GFCP Battery Powered Electrofusion Processor #360021134	
1	GFCP MSA 340 Electrofusion Processor #360029067	

CASH TERMS ARE NET 30 DAYS. F.O.B. FREIGHT IS PREPAID AND ADDED TO INVOICE.
ORDER FROM PPI Gas Distribution, Inc..

PRICES QUOTED HEREIN ARE VALID FOR 30 DAYS AFTER WHICH TIME WE RESERVE THE
RIGHT TO REVIEW PRICING.

WE APPRECIATE THE OPPORTUNITY TO QUOTE ON THE ABOVE AND LOOK FORWARD TO
SERVICING YOUR NATURAL GAS DISTRIBUTION REQUIREMENTS.

VERY TRULY YOURS,

Sean Richard

Sean Richard

Central Hudson Gas & Electric Corporation
Purchasing Department
284 South Avenue
Poughkeepsie, NY 12601-4879

E-mail: purchasing@cenhud.com
Phone: (845) 486-5835
Facsimile: (845) 790-8481

GENERAL TERMS AND CONDITIONS either previously provided, available on request or via CHGE Public Intranet: <https://www.cenhud.com/contractors/purchasing-order-terms/> are incorporated in and considered part of this Purchase Order. Seller acknowledges that it has read this Purchase Order and the aforesaid General Terms and conditions and understand and agree to be bound by its instructions, terms, provision and conditions.

All contractors, subcontractors and vendors shall abide by the requirements of 41 CFR 60-1.4(a), 60-300.5(a) and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities and prohibit discrimination against all individuals based on their race, color, religion, sex, sexual orientation, gender identity or national origin. Moreover, these regulations required that covered prime contractors and subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability ore veteran status.

PLEASE NOTE PAGE 1 CONTAINS INSTRUCTIONS ONLY, ITEM DETAILS FOLLOW ON SUBSEQUENT PAGES

IMPORTANT: Purchase Order Number and Central Hudson Item Material Number(s) must appear on all invoices, packages and correspondence. CHGE reserves the right to reject any shipments which do not reference our Order and Material Numbers.

CONFIRMATION of this order is REQUIRED Via E-Mail: purchasing@cenhud.com, Phone: (845) 486-5835 or Fax: (845) 790-8481

Delivery Appointment is required at least 48 Hours (2 Full Business Days) in advance if: 1) Noted in Freight Terms Below or Description/Specifications, 2) Total Gross Shipment Weight >5,000 lbs or 3) Non-box truck carrier is used.

***MUST SPEAK with Chief Storekeeper at 845-883-3324 to secure a Delivery Appt NO LESS than 2 Full Business Days in Advance ***

Central Hudson reserves the right to REJECT shipments without required Delivery Appt AND/OR ASSESS a -2% UNIT PRICE REDUCTION

E-Mail Invoices To: ap@cenhud.com or send via postal mail to:

Central Hudson Gas & Electric Corporation, Accounts Payable, 284 South Ave, Poughkeepsie, NY 12601-4879

Note:

- Note Freight Terms and if required, bill charges as a separate line on invoices.

TO: (Vendor/Supplier/Merchant/Seller) CHGE Vendor No.: 62928 LINEMENS SUPPLY INC 30 TRAVIS AVENUE P O BOX 1690 BINGHAMTON NY 13904 E-Mail: CCROUNSE@LINEMENSSUPPLY.COM Facsimile: 607-773-2414	SHIP TO: (CHGE Delivery Location) CHGE Storeroom No. 14 CENTRAL HUDSON GAS & ELECTRIC CORPORATION KINGSTON STOREROOM KNGTs STOREKEEPER 845-334-3504 2001 ROUTE 9W - LOWER BLDG LAKE KATRINE NY 12449 SHIP TO ATTN: DEVIN G PALEN
--	---

*****PLEASE REVIEW your company information for accuracy and advise Central Hudson if any updates are needed.**

Please ensure we have a current e-mail address to send your Purchase Orders***

Provide SDS (Safety Data Sheet) if required by OSHA 29CFR 1910.1200 with all shipping documents.

ORDER DATE	DELIVERY DATE	FREIGHT TERMS	PAYMENT TERMS
2023/04/26	2023/05/08	FOB ORIG: SHIP BEST WAY	N30

CHGE PURCHASING BUYER: JOHN L LEWIS
JLEWIS@CENHUD.COM
845-486-5402

TO: (Vendor/Supplier/Merchant/Seller)

CHGE Vendor No.: 62928

LINEMENS SUPPLY INC
30 TRAVIS AVENUE
P O BOX 1690
BINGHAMTON NY 13904

E-Mail: CCROUNSE@LINEMENSSUPPLY.COM

Facsimile: 607-773-2414

SHIP TO: (CHGE Delivery Location)

CHGE Storeroom No. 14

CENTRAL HUDSON GAS & ELECTRIC CORPORATION
KINGSTON STOREROOM
KNGTS STOREKEEPER 845-334-3504
2001 ROUTE 9W - LOWER BLDG
LAKE KATRINE NY 12449
SHIP TO ATTN: DEVIN G PALEN

Item No.	UOM	Qty	Material #	Description/Specifications	Unit Price	Total
1	PC	3		Specifications: 20192CM-SBH BUCK BUCK MOBILITY AJUSTABLE BODY BELT, SIZE SMALL (D20-D23) Requistion No.: 42873 Vendor Bid No.: 40523KHSB1		
2	PC	4		Specifications: 20192CM-MBH BUCK BUCK MOBILITY AJUSTABLE BODY BELT, SIZE MEDIUM (D23-D26) Requistion No.: 42873 Vendor Bid No.: 40523KHSB1		
3	PC	2		Specifications: 20192CM-LBH BUCK BUCK MOBILITY AJUSTABLE BODY BELT, SIZE LARGE (D26-D29) Requistion No.: 42873 Vendor Bid No.: 40523KHSB1		
4	PC	6		Specifications: 603A8Q28-X BUCK FULL BODY HARNESS, SIZE LARGE Requistion No.: 42873 Vendor Bid No.: 40523KHSB1		
5	PC	3		Specifications: 603A8Q28-L BUCK FULL BODY HARNESS, SIZE EXTRA-LARGE Requistion No.: 42873 Vendor Bid No.: 40523KHSB1		
6	PC	9		Specifications: 490K4 BUCK EZ SQUEEZE W/ BLACK TOUGH ROPE Requistion No.: 42873 Vendor Bid No.: 40523KHSB1		
7	PC	9		Specifications: 92C+RQ1-8 BUCK BUCKADJUSTER KIT W/ WHITE TOUGH ROPE, HANDLINE HOOKS AND BUCK Requistion No.: 42873 Vendor Bid No.: 40523KHSB1		

TO: (Vendor/Supplier/Merchant/Seller)

CHGE Vendor No.: 62928

LINEMENS SUPPLY INC
30 TRAVIS AVENUE
P O BOX 1690
BINGHAMTON NY 13904

E-Mail: CCROUNSE@LINEMENSSUPPLY.COM

Facsimile: 607-773-2414

SHIP TO: (CHGE Delivery Location)

CHGE Storeroom No. 14

CENTRAL HUDSON GAS & ELECTRIC CORPORATION
KINGSTON STOREROOM
KNGTS STOREKEEPER 845-334-3504
2001 ROUTE 9W - LOWER BLDG
LAKE KATRINE NY 12449
SHIP TO ATTN: DEVIN G PALEN

Item No.	UOM	Qty	Material #	Description/Specifications	Unit Price	Total
8	PC	9		Specifications: SBG94089AQ1 BUCK GRIP CLIMBER SET COMPLETE Requisition No.: 42873 Vendor Bid No.: 40523KHSB1		
9	PC	9		Specifications: 4377 BUCK BUCKPACK PRO GEAR BAG Requisition No.: 42873 Vendor Bid No.: 40523KHSB1		
10	PC	9		Specifications: 42666S-BH BUCK 5 POCKET TOOL POUCH W/ KNIFE POCKET Requisition No.: 42873 Vendor Bid No.: 40523KHSB1		
11	PC	9		Specifications: 41-4570BHM2 BUCK NUT N BOLT BAG W/ MAGNET Requisition No.: 42873 Vendor Bid No.: 40523KHSB1		

Northeast Transformer Services, LLC

P.O. Box 245
7209 State Route 281**Invoice**

Date	Invoice #
4/21/2022	28468

Bill To	Ship To
Central Hudson Gas & Electric Corporation Accounts Payable Section 284 South Avenue Poughkeepsie, NY 12601-4879	Central Hudson Gas & Electric Eltings Corners Storeroom 24 South Street Highland, NY 12525

PAID
04/21/2022

PO Number	AP Contact	Terms	Ship	Via	Delivery Memo
Verbal- Kyle Hav...	Robert Smith	Net 30	4/21/2022	Our Truck	

Description	KVA	Type		Amount
Cut away transformers				
7994-15 TRAINING UNIT	25	Pole	47-03-013	
8010-41 TRAINING UNIT	25	Pole	47-03-008	

Make Checks Payable to:
 Northeast Transformer Services, LLC
 P.O. Box 245
 Preble, NY 13141
 (315) 238-7131

Total
Payments/Credit
Balance Du

Three Phase Innovations

7201 Royal Springs Blvd
Knoxville, TN 37918 US
865-680-4959
vince@threephaseinnovations.com
www.threephaseinnovations.com

PO 90119

**Invoice**

BILL TO
Kyle Haviland
Central Hudson Gas and Electric
2001 Ulster Ave
Lake Katrina, New York 12449
U.S.A

INVOICE 1061
DATE 01/24/2022
TERMS Net 30
DUE DATE 02/23/2022

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
	3 Pole Travel Version	Three Phase Innovations answered the call for mobility in training with the travel version. Your 3 Pole Travel Version can be assembled and disassembled and transported in the bed of a pick-up truck for your training.	0.70		
	Single Phase Equipment	Equipment built to supply 120/208 three phase power when it is unavailable. All that is needed is a standard 120V outlet to power your trainer with three phase power.	0.70		
	Custom Wooden Case Fault Current Reactor	Each case is built specifically for its equipment , these cases are for storage as well as transportation.	0.70		
	Custom Wooden Case Power Converter	Each case is built specifically for its equipment , these cases are for storage as well as transportation.	0.70		
	Custom Wooden Case Single Phase Transformer	Each case is built specifically for its equipment , these cases are for storage as well as transportation.	0.70		
	Custom Wooden Case Three Phase Transformer	Each case is built specifically for its equipment , these cases are for storage as well as transportation.	0.70		
	Club Case / Pelican Case Transformers	Your Pelican/ Club case includes the foam cutouts for various equipment such as but not limited to transformers, single phase breakers, three phase breakers	0.70		
	Delivery	We deliver using our trailer which is set up for transporting our equipment to your location. The safe arrival of your equipment is our top priority once we	539		

Delivery and Payment terms
50% Due upon signed acceptance of quote or purchase order
Balance due within 30 due of delivery of goods and services
Once signed quote/PO is received and payment terms are met a delivery date will be set
Page 1 of 2

	have worked so hard to build it. We insure all of our deliveries for the value of equipment being delivered.	
Model Instructional Training	Our model instructional training is 8 hours with two instructors geared towards sharing knowledge to enhance your training program. This is a great time for answering question about use and care for your model. This time is also open to all that wish to attend	0.70
Dry Erase Board	Custom dry erase board	2.10
Mastering Distribution Transformer Connections and Applications		2.10
Transformer Worksheets	These reproducible sheets work in conjunction with your other training tools by Three Phase Innovations.	0.70
Duel Voltage Upgrade	The Duel Voltage Transformer adds the versatility of utilizing either 120 WYE or 208 Delta input voltages to the transformer. This versatility allows the instructor to teach both WYE and Delta connections on the primary side of the transformer without swapping transformers.	2.10

BALANCE DUE



[Home](#) / [Electrical Testing](#) / [Cable Fault Locators](#) / [DC Hipot Thumper Cable Fault Locators](#) / High Voltage CDS-2010U Cable Fault Locator Surge Generator 20KV



S-2010U Cable Fault Locator Surge

Mitchell Part Number: HVI-CDS-2010U

Manufacturer: [High Voltage Inc.](#)

Availability: Typically in stock, Call if Urgent

[Be the first to review this product](#)

-

1

+

ADD TO CART

 Add to compare

 Add to wishlist

Quick overview:

High Voltage CDS-2010U Cable Fault Locator Surge Generator 20kV- With its 20kV ouput, the CDS-2010U is good for fault locating cables rated up to 35kv, having a line to ground voltage of 20kV. The high burn current of 400mA can be used to condition a fault to reduce its arc over voltage to permit thumping at a lower and less damaging voltage level, yet still at full energy. The CDS-2010U can thump a cable at just 5kV yet deliver 1000 joules. Find your fault without making more.

escription

igh Voltage CDS-2010U Cable Fault Locator Surge Generator 20kV

With cable diagnostic testing becoming more common, the need for fault locating will rise. If a cable cannot withstand the test voltage, failure will occur, requiring fault locating. If you're in the market for a thumper, why not get one with a VLF hipot built-in to test the AC integrity of the cable following repair.

There is no better thumper. The CDS-2010U offers the complete package: three full joule output voltages, three variable hipot outputs, the highest burn current, rapid discharge rate, tdr/radar ready, and its rugged design holds up to years of use. Another plus: all HVI Thumpers use EPR high voltage output cable rather than XLPE. EPR stays flexible in cold weather.

VI produces some of the most powerful and full featured fault locators available. All the features needed for efficient fault finding can be found in our thumpers, don't settle for less:

- Three full joule output voltage settings
- Three fully variable hipot output voltages
- The highest Burn current available
- Internal Arc Reflection and Current Impulse filter
- Compatable with nearly all TDR/radar models
- The most rugged and reliable design

kV – 35kV Cable Systems

Ideal for Coops, Small Municipals, IOU URD and Industrials

ore Information

[customer reviews](#)

You may also need



[High Voltage Inc CRR-100T Cable Reel For CDS Thumper Units With 100 Foot High Voltage And](#)



[Aqua-Tronics Inc S.D.A.D Super Directional Acoustic Detector](#)



[Radar Engineers 1670 Arc Freflection Radar / TDR For Use With Thumpers](#)



1 Add to cart

1 Add to cart

1 Add to cart

- [Shop](#)
- [Safety & PPE](#)
- [Insulated tools](#)
- [Electrical testing](#)
- [Mechanical testing](#)
- [Environmental testing](#)
- [Process I & C](#)
- [Industrial labeling](#)
- [Brands](#)
- [Help](#)
- [Advanced search](#)
- [Shipping & Delivery](#)

[Customer service](#)

[About us](#)

[Contact us](#)

User

[Cart \(0\)](#)

[Wishlist \(0\)](#)

[Compare \(0\)](#)

[Sign in](#)

[Create an account](#)

[Track my order](#)

Contact us

Mitchell Instrument Company

2875 Scott St. Suite 101, Vista CA, 92081

Call Toll Free: [888-270-2690](#) or [760-744-2690](#)

Fax Toll Free: [800-648-2411](#) or [760-744-0083](#)

[Call us now](#)

2023 © All rights reserved.

[Privacy policy](#) [Terms of use](#)

STUART C IRBY BR453 SYRACUSE
4583 BUCKLEY ROAD
LIVERPOOL NY 13088-2508
315-622-0020 Fax 315-622-0025

QUOTE DATE	ORDER NUMBER
02/03/23	S013397502
REMIT TO:	PAGE NO.
STUART C IRBY CO POST OFFICE BOX 741001 ATLANTA GA 30384	1

SOLD TO:
CH ENERGY GROUP INC
CHG&E CORP. HIGHLAND
284 SOUTH AVENUE
POUGHKEEPSIE, NY 12601-4838

SHIP TO:
CHG&E 522 SKTO LAKE KATRINE TOOLS
TOOLS & TOOL REPAIRS
2001 RT 9W
LAKE KATRINE, NY 12449

ORDERED BY: KYLE HAVILAND

CUSTOMER NUMBER		CUSTOMER ORDER NUMBER		JOB/RELEASE NUMBER		OUTSIDE SALESPERSON	
211982						Erinn M May	
INSIDE SALESPERSON				REQD DATE	FRGHT ALLWD	SHIP VIA	
Doug J McDer				02/03/23	Yes	UPS GROUND	
ORDER QTY	SHIP QTY	LINE	DESCRIPTION			Prc/UOM	Ext Amt
3EA		1	***** Shipping Instructions ***** * Line Item Comments on the Previous * Page Should have: for new * tools-97300-1-(area) or 8972A for * tools Greater Than 200, Less Than * 3000 and tools Greater Than 3000 ***** HAST 6708 HOT LINE TOOL RACK Your # 6708 ***** 4-6 WEEKS *****			*	
		2	HAST 7707 HOT STICK TESTER Your # 7707 ***** 4-6 WEEKS *****			*	

*** This is a quotation ***

Prices firm for acceptance within 30 days with the exception of commodity prices which are subject to change daily. Quotation is void if changed. Complete quote must be used unless authorized in writing.

OUR PRODUCT AND SERVICES ARE SUBJECT TO, AND GOVERNED EXCLUSIVELY BY, OUR TERMS AND CONDITIONS OF SALE, WHICH ARE INCORPORATED HEREIN AND AVAILABLE AT www.irby.com/terms.
ADDITIONAL OR CONFLICTING TERMS ARE REJECTED, VOID AND OF NO FORCE OR EFFECT.



High Voltage PFT-652CM 65KV AC HiPot Test Set



Mitchell Part Number: HVI-PFT-652CM

Manufacturer: [High Voltage Inc.](#)

Availabi ity: Typically in stock, Call if Urgent

[Be the first to review this product](#)

Special Options

- ☒ None
- ☐ Burn Circuit (Option Code BRN) [REDACTED]

-

1

+

ADD TO CART

 [Add to compare](#)

 [Add to wishlist](#)

Quick overview:

High Voltage PFT-652CM 65KV AC HiPot Test Set - supply up to 30mA at 65V
(NOT FOR EXPORT)

escription

igh Voltage PFT-652CM 65KV AC HiPot Test Set

ne PFT-652CM AC Dielectric Test Set is one of many in the PFT Series line of AC portable field use hipots. These hipots provide continuously adjustable AC voltage typically used to provide a go/no-go, or pass/fail, AC over-voltage withstand Test on high voltage apparatus, like switchgear, circuit breakers, reclosures, vacuum bottles, hot sticks, motor windings, bus duct, and any other equipment needing an AC voltage proof test. The PFT Series offers the most field portable, affordable, and easiest to use AC testers at this voltage and power. Higher kVA AC test sets and others designed for motor & generator testing are also available. These other ines offer corona free output for partial Discharge and Tan Delta testing. Some are CE Certified like this model.

ke all High Voltage, Inc. products, the PFT-652CM is designed with the latest in high voltage technology and offers more features and higher quality and reliability than others:

- CE Marked. Designed specifically to meet CE directives
- Simple, manual controls for familiarity and ease in operation
- Rugged case with cushioned handles and storage for leads
- Insulated Return Guard/Ground circuit to bypass stray currents
- Zero Start and External Interlock provision
- Two range voltmeter and three range current meter
- Automatic transit protected meters rated 100 uA for durabi ity
- MADE IN USA

ore Information

ustomer reviews

- [Safety & PPE](#)
- [Insulated tools](#)
- [Electrical testing](#)
- [Mechanical testing](#)
- [Environmental testing](#)
- [Process I & C](#)
- [Industrial labeling](#)
- [Brands](#)
- [Help](#)
- [Advanced search](#)
- [Shipping & Delivery](#)
- [Customer service](#)
- [About us](#)
- [Contact us](#)
- [User](#)
- [Cart \(0\)](#)
- [Wishlist \(0\)](#)
- [Compare \(0\)](#)
- [Sign in](#)
- [Create an account](#)
- [Track my order](#)

Contact us
Mitchell Instrument Company

2875 Scott St. Suite 101, Vista CA, 92081

Call Toll Free: [888-270-2690](#) or [760-744-2690](#)

Fax Toll Free: [800-648-2411](#) or [760-744-0083](#)

[Call us now](#)

2023 © All rights reserved.
[Privacy policy](#) [Terms of use](#)



[Home](#) / High Voltage PTS-100 DC HiPot Tester 100KV Output



High Voltage PTS-100 DC HiPot Tester 100KV Output



Mitchell Part Number: HVI-PTS-100

Manufacturer: [High Voltage Inc.](#)

Availability: Typically in stock, Call if Urgent

[Be the first to review this product](#)

Options:

☐ Upgrade from 20 to 50' test leads

-

1

+

ADD TO CART

 [Add to compare](#)

 [Add to wishlist](#)

Quick overview:

The High Voltage PTS-100 DC HiPot Tester & Megohmmeter has a 100KV Output - Dual-Function Portable High Voltage DC Test Set - Two Piece Design - U.S. delivery only

description

ombo high voltage DC proof testers/megohmmeters
low testing dielectric strength & insulation resistance
ith one instrument, saving money, size & weight
Rugged, re iable and contains all functions needed for periodic
lectrical maintenance testing & retest of recently installed electrical
pparatus
Insulation Resistance at any rated output voltage up to 7,500 GΩ
Dual-range voltmeter and five-range ammeter with 0-1μA low scale setting
10nA resolution for leakage current measurements
Full-wave rectified bridge circuit, with DC ripple < 2.5% RMS
Regulated input for accurate, re iable results - ideal for field
se...±1% stability with ±10% line change
Built-in HV discharge solenoid/ resistors...2.5, 5.0 & 7.5kJ for
ost-test internal shorting
Rugged industrial case with cushion grip handles
Output current
nited to 10mA
Built-in test lead
:orage
Surge & transient
rotected
Continuous Duty
ycle
Rugged industrial
ase with cushion
rip handles

Built-in "zero-start" and external safety interlocks
Insulated Return and Guard circuit to bypass stray or unwanted
leakage current during testing

More Information

Customer reviews

- Shop
- Safety & PPE
- Insulated tools
- Electrical testing
- Mechanical testing
- Environmental testing
- Process I & C
- Industrial labeling
- Brands
- Help
- Advanced search
- Shipping & Delivery
- Customer service
- About us
- Contact us
- User
- Cart (0)
- Wishlist (0)
- Compare (0)
- Sign in
- Create an account
- Track my order
- Contact us
- Mitchell Instrument Company

2875 Scott St. Suite 101, Vista CA, 92081

Call Toll Free: ~~888-270-2690~~ or ~~760-744-2690~~

Fax Toll Free: ~~800-648-2411~~ or ~~760-744-0083~~

[Call us now](#)

2023 © All rights reserved.

[Privacy policy](#), [Terms of use](#)

High Voltage PTS-100 DC HiPot Tester 100KV Output



Quotation

Doble Engineering Company

123 Felton St.,
Marlborough, MA, 01752,
USA
Phone: +1 617 926 4900 | Fax: +1 617 926 0528

Prepared For:

Pete Kothe
Central Hudson Gas & Electric Corp.
24 South Street
Highland, NY 12528 USA
(845) 883-3332
pkothe@cenhud.com

Quote #: Q-60273-2
Date: 5/4/2023
Quote Validity: 7/2/2023
Payment Terms: N30*
Shipping Terms: EXW
Proposed Ship Date: Contact Sales
Recommended Carrier: UPS
Delivery Method: Ship

End User: Central Hudson Gas & Electric Corp.

Your Doble Team:

Doble Representative	ElectriComm, Inc.	Regional Sales Manager	Bob Langan
Sales Contact	Ronald Quade	Direct Email	blangan@doble.com
Email	rquade@ecisales.com	Direct Phone	+1 609 969 8227
Phone	19732198802	BDM	Joe Brown
Address	544 Powerville Road Boonton Township NJ USA 07005	BDM Contact	joebrown@doble.com

**TR3190 - Digital Rotary and Linear
Transducer**

QTY	PRODUCT	DESCRIPTION	SALES PRICE	EXTENDED PRICE
1	TR3190	TR3190 Digital Rotary & Linear Transducer		
1	05C-0648-01	Safety Flag Plug		
1	05B-0620-01	T9920 OCB Cable		
1	401-0055	T9433/T9940 Event Module Clip-On Current Probes		
1	071-0024-01	T9940 Event Module Cable Set		

TR3190 - Digital Rotary and Linear Tran

CT-3500 S2 - Basic circuit breaker
timer

QTY	PRODUCT	DESCRIPTION	SALES PRICE	EXTENDED PRICE
1	9002-UC	CT-3500 S2		
CT-3500 S2 - Basic circuit breaker timer TOTAL:				

TDR900 - Circuit Breaker Test
System

QTY	PRODUCT	DESCRIPTION	SALES PRICE	EXTENDED PRICE
1	TDR900	TDR900 Circuit Breaker Test System		
TDR900 - Circuit Breaker Test System TOTAL:				

TOTAL:				
--------	--	--	--	--

Additional Notes

*Payment terms are subject to credit review.

All prices in USD. Pricing does not include shipping or sales tax.

Please forward all Purchase Orders to sales@doble.com. For any questions regarding this quote, please contact your Regional Sales Manager or sales@doble.com.

Doble hardware and software products are supplied in accordance with Doble's Master Terms. Doble Test Instruments are supplied complete with instruction manuals and all cables necessary for the ordered configuration.

THANK YOU FOR YOUR BUSINESS!

Search over 81 000 products

CALIBRATION

RENTALS

(/CONTENT/OVERVIEW-LAB-

(/CATEGORY/RENTAL-

RMA/SERVICE FORM (/CONTENT/OVERVIEW-LAB-

PRODUCTS

SERVICE)

PROGRAM)

SERVICE?LAB-SERVICE-REQUEST-FORM)



Megger 

Power on

Search Megger Products

(/brands/megger_limited)

Megger DLRO200-115E Digital Low Resistance Ohmmeter

Model: **DLRO200-115**

Be the first to review this product



Downloads: [Datasheet \(/Pdfs/Cache/Www.Globaltestsupply.Com/Dlro200-115/Datasheet/Dlro200-115-Datasheet.Pdf\)](/Pdfs/Cache/Www.Globaltestsupply.Com/Dlro200-115/Datasheet/Dlro200-115-Datasheet.Pdf)

Regular Price

\$  USD

Need a Quote?

CHAT LIVE

Add to Cart to See Price

Availability

2 to 3 weeks



Traceable In-House Calibration Certificate for your DLRO200-115 E Digital Low Resistance Ohmmeter

☐ Yes, I would like to add a Calibration Certificate (Model CERTIMO2) for only [REDACTED] USD [Add to Cart to See Price](#)[Need a Quote?](#)

Description

Megger DLRO200-115E Digital Low Resistance Ohmmeter

The Megger DLRO200-115 measures contact resistance in high voltage circuit breakers, disconnecting switches (isolators), busbar joints, or for any other low resistance measurement. This test set accurately measures resistances ranging from 0.1μO to 10O, at high currents. A versatile instrument, it can provide test currents from 10 amps up to 200 amps, subject to the load resistance and supply voltage. For those applications that demand a smooth dc current, the DLRO200-

[Show More...](#)[Included](#)[Resources](#)[Forum](#)[Customer Reviews](#)[More Megger Products \(/brands/megger_limited\)](/brands/megger_limited)[Contact Us \(/content/quick-contact\)](/content/quick-contact) **1-888-610-7664**[About Us \(/content/about-us\)](/content/about-us)[Our Stores \(/content/our-stores\)](/content/our-stores)[Sign In \(/users/login\)](/users/login) (<http://www.facebook.com/GlobalTestSupply>) (<http://twitter.com/GTSTweets>) (<https://www.youtube.com/user/GTS178>) (https://www.instagram.com/global_test_supply)[Need a Quote?](#)

Shipping Rates (/content/free-shipping)
Terms & Conditions (FAQs) (/content/frequently-asked-questions)

Site Security / Privacy
 **SECURE STORE**
PCI Compliant
(/content/secure-online-store)

We accept these payment methods:



We also accept wire transfers/EFT, cheques and purchase orders on approved credit. Accepted payment methods vary by country.

Need a Quote?



**DILO Company, Inc.**

11642 Pyramid Dr
Odessa, FL 33556

QUOTATION

Date	Quotation #
6/29/2017	Q-22605

Customer
Central Hudson Gas & Electric ACCOUNTS PAYABLE SECTION 284 South Ave Poughkeepsie, NY 12601 Jeffrey S. Johnson 845-883-3314

Ship To
Central Hudson Gas & Electric 24 South St. Highland NY 12528 Jeffrey S. Johnson 845-883-3314 JJJohnson@cenhud.com

Validity	Terms	Account #	FOB	Lead Time
90 days	Net 30		Odessa, FL	18 weeks

Item	Description	Qty	Price	Total
3-038R-R303V1	SF6 Multi-Analyzer - with built-in Recovery System for Zero Emissions testing Tests for: - Purity (SF6 Vol. %) - Moisture - SO2 (0-500 ppmv) Standard equipment: - 7" color touch-screen - Battery & 100-240 VAC (50/60 Hz) - DILO adapters DN8 and DN20 - 6m / 20' long Wire-braided hose (teflon lined) with self-sealing Quick Disconnect fittings	1		
ADRB1	ADRB1 (Analyzer Discharge Recovery Bag Rev1): Passive analyzer discharge recovery system that can be used with any DILO analyzer using self-sealing QD's. Features FEP chemical resistant bag housed and a tri-folding canvas bag; connection hose, and a DN8 adapter coupling to connect to MINI series recovery systems.	3		
Adapter Kit Analyzer	Optional Item: Complete adapter kit for all DILO analyzers to convert to most breakers.	1		

Sales Tax (0.0%)

Phone #	Fax #	E-mail	Total
727-376-5593	866-281-1119	sales@dilo.com	

**DILO Company, Inc.**

11642 Pyramid Dr
Odessa, FL 33556

QUOTATION

Date	Quotation #
6/29/2017	Q-22605

Customer
Central Hudson Gas & Electric ACCOUNTS PAYABLE SECTION 284 South Ave Poughkeepsie, NY 12601 Jeffrey S. Johnson 845-883-3314

Ship To
Central Hudson Gas & Electric 24 South St. Highland NY 12528 Jeffrey S. Johnson 845-883-3314 JJJohnson@cenhud.com

Validity	Terms	Account #	FOB	Lead Time
90 days	Net 30		Odessa, FL	18 weeks

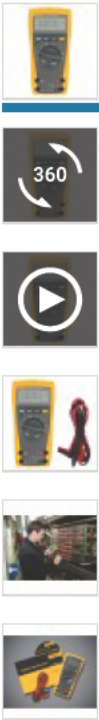
Item	Description	Qty	Price	Total
3-826-R004	Compressor Unit for SF6 measuring device Used for testing switchgear at or below 5 psig. Includes: - Diaphragm compressor (PTFE) - Final vacuum <1mbar - Wire-braided (teflon lined) hose with self-sealing QD type 21 fittings (05-1358) Operating voltage: - 120V 50/60Hz	1		
3-781-R023	Black transport case for small compressor unit (3-826-R004)	1		

Please review our Terms and Conditions as part of this estimate.
<http://www.dilo.com/terms-of-service/>

Sales Tax (0.0%)

Phone #	Fax #	E-mail	Total
727-376-5593	866-281-1119	sales@dilo.com	

Digital Multimeters / FLUKE Digital Multimeter: CAT IV 600V...



**FLUKE Digital Multimeter:
CAT IV 600V, Avg, 1,000 V
Max AC Volt Measurement,
6,000, Backlit LCD**

Item 1TFV1 Mfr. Model **Fluke-77 IV**

Calibration Certificate Included **No**

No

Yes

☐ Compare

Product Details Catalog Page [536](#)

Brand	FLUKE
AC Response Calculation	Average
Instrument Safety Rating	CAT IV 600V
Calibration Certificate Included	No
Maximum AC Voltage Measurement	1,000 V
Maximum DC Voltage Measurement	1,000 V
Display Type	Backlit LCD
Instrument Counts	6,000
Maximum AC Current Measurement	10 A
Maximum DC Current Measurement	10 A
Multimeter Style	Full Size

Web Price 
 / each

Qty

1

Add to Cart

☒ Ship

☐ Pickup

Expected to arrive Thu. Apr 27.

Ship to 12601 | [Change](#)

Shipping Weight **1.5 lbs**
[Ship Availability Terms](#)

Add to List

Compliance & Restrictions

 This item is restricted for international sale.

Documents

-  [Fluke Digital Multimeter Selection Guide](#)
-  [Fluke 77IV Technical Data Sheet](#)

 Alternate Products

 Chat with an Agent

Parameter: **PUBLIC REDACTED**

AC Voltage

DC Voltage

AC Current

DC Current

Capacitance

Frequency

Resistance

Data Logging **Yes**

Bluetooth Compatible **No**

Dustproof **No**

Intrinsically Safe **No**

Removable Screen **No**

Thermal Imaging **No**

Waterproof **No**

AC Current Measurement Resolution **0.01 mA**

AC Voltage Measurement Resolution **1 V**

Capacitance Measurement Resolution **1 nF**

DC Current Measurement Resolution **0.01 uA**

DC Voltage Measurement Resolution **1 V**

Frequency Measurement Resolution **0.01 Hz**

Resistance Measurement Resolution **0.1 ohm**

Basic AC Current Accuracy **2.5% + 2**

Basic AC Voltage Accuracy **±(2.0% + 2)**

Basic DC Current Accuracy **1.5% + 2**

Basic DC Voltage Accuracy **±0.30% + 1 Digit**

Capacitance Measurement Accuracy **±(1.2% + 2)**

Frequency Measurement Accuracy **±(0.1% + 1)**

Resistance Measurement Accuracy **±0.5%**

Includes **(1 Pair) Test Leads; 9V Battery (Installed); Quick Reference Guide**

Manufacturer Part Number **Fluke-77 IV**

Audible Continuity **Yes**

Data Hold **Yes**

Maximum Resistance Measurement **50 megaohm**

Diode Test **Yes**

Auto Power Off **Yes**



Exhibit (CCOP-3R)
Page 38 of 55

EXTECH Digital Multimeter:
CAT III 1000V/CAT IV 600V,
Avg, 1,000 V Max AC Volt
Measurement, 4,000

Item **1PTK1**

☐ Compare

Web Price 
 / each

Qty
1

Add to Cart



FLUKE Digital Multimeter:
CAT IV 600V, Avg, Calibration
Certificate Included, 6,000,
Backlit LCD

Item **1TFV2**

☐ Compare

Web Price 
 / each

Qty
1

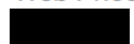
Add to Cart



FLUKE Digital Multimeter:
CAT III 1000V/CAT IV 600V,
TRMS, 1,000 V Max AC Volt
Measurement, 6,000

Item **6MR07**

☐ Compare

Web Price 
 / each

Qty
1

Add to Cart

View More 

Standards **ANSI/ISA S82.02.01; CSA C22.2-1010.1; UL; VDE**

Manufacturers Warranty Length **Lifetime**

Bar Graph Included **Yes**

Battery Access **Yes**

Battery Size **9V**

Minimum/Maximum Memory **Yes**

Computer Interface Connection Type **None**

Weight **420 g**

Maximum Storage Temperature **140 °F**

Minimum Storage Temperature **-40 °F**

Maximum Operating Temperature **122 °F**

Minimum Operating Temperature **14 °F**

Duty Cycle **No**

Maximum Capacitance Measurement **9,999 uF**

Maximum Frequency Measurement **100 kHz**

Battery Chemistry **Alkaline**

Depth **7.3 in**

Overall Height **1.7 in**

Overall Width **3.5 in**

Software Included **No**

Fuse Access **Yes**

Pulse Width **No**

Min-Max-Avg Button Included **Yes**

Minimum Frequency Measurement **0.01 Hz**

Minimum Capacitance Measurement **1 nF**

Batteries Included **Yes**

UNSPSC **41113630**

Country of Origin **USA (subject to change)**

Product Description

These instruments have built-in data logging capability that records and stores data without connecting to an external device like a smartphone or PC. Data can later be retrieved and stored for analysis. They are commonly used for field or remote applications.

FREE Shipping on orders over \$50 after you [sign in](#).



Cart

Search by keyword or model #



[Home](#) / [Test Instruments & Gauges](#) / [Electrical Testing & Measuring](#) / [Clamp On Power Meters](#) / [Clamp Meter, Backlit LCD, 400 A, 1.1 in \(28 mm\) Jaw Capacity](#)

[Shop All Clamp On Power Meters](#)

FLUKE

Clamp Meter, Backlit LCD, 400 A, 1.1 in (28 mm) Jaw Capacity

Zoro #: G4573816 Mfr #: FLUKE 325

★★★★★ 4.52 21 reviews [Write a Review](#)



Tap to zoom



Help us improve our product images

Key Features

Promotion Restriction: Not eligible for promotion

Item: Digital Clamp Meter

Digital/Analog: Digital

Max. AC Amps: 400

Clamp Meter Jaw Style: Clamp On

Max. DC Volts: 600 V

Max. Ohms: 40,000

Jaw Capacity: 1.1 in (28 mm)

[See full product details](#)



Ships FREE in 1 business day

In Stock

Quantity

-

1

+

Subtotal \$496.68 ⓘ

Add to Cart

Shipping & Returns Policy

[Join Our Email List](#) For 10% Off Your First Order

[Sign Up](#) For Free Shipping On \$50+ Orders

30 Day Returns

125 U.S. Based Customer Service Agents

Specifications Description Reviews

Alternate Item



Fluke Clamp Meter, Backlit LCD, 400 A, 1.1 in (28 mm) Jaw Capacity **\$261.29**

Mfr # UK 324

In Stock
Ships FREE in 1 business day

Add to Cart

You May Also Like

Shop AC Amp On Power Meters



(877) 571-7901

Sales@TEquipment.NET

Home / Oscilloscopes / Portable Oscilloscopes / Fluke / 190-504-III

Fluke 190-504-III - Color ScopeMeter, 500Mhz, 4 Channel

☆☆☆☆☆ 0 reviews | Catalog: 5282513 | UPC: 195112021903| Model: Fluke 190-504-III



Images (6)

Your Price:

[Redacted Price]

[Sign-in for EDU Pricing!](#)

In Stock: 7

✓ Free shipping over \$99

[Request a Demo](#)

★ [View Payment Options](#)

[REQUEST QUOTE](#)



Have a question? Ask an expert.
[Live Chat](#)[877.571.7901](#)[Email](#)

FLUKE-190-504-III, SCOPEMETER 4 CHANNEL 500MHZ COLOR

- **Number of channels: 4**
- **Bandwidth: 500 MHz**
- **Rise time: 0.7 ns**
- **Number of scope inputs: 4 input channels**
- **Sampling rate: 5 GS/s (single ch); 2.5 GS/s (2ch); 1.25 GS/s (4 ch)**
- CAT III 1000 V/CAT IV 600 V safety rated instrument for industrial environments
- Large, bright color display is easy to view in nearly any environment
- Deep memory: 10,000 points per trace waveform capture (scope mode)
- Connect-and-View triggering - intelligent, automatic triggering on fast, slow, or complex signals
- Easy to store and view historical data and transfer to : [View Product Details](#)

Description

Fluke 190-504-III - Color ScopeMeter, 500Mhz, 4 Channel

- Number of channels: 4
- Bandwidth: 500 MHz
- Rise time: 0.7 ns
- Number of scope inputs: 4 input channels
- Sampling rate: 5 GS/s (single ch); 2.5 GS/s (2ch); 1.25 GS/s (4 ch)

Fluke 190 Series III ScopeMeter Test Tools

High performance portable oscilloscopes engineered for harsh environments.

Fluke 190 Series III ScopeMeter Test Tools are engineered to go where you go, and tackle just about any troubleshooting job along the way. These CAT III 1000 V/CAT IV 600V rated test tools combine rugged portability with the high performance of bench oscilloscopes to help you take on the challenges of installing, commissioning and maintaining industrial machinery, automation and process controls, and power conversion electronics with ease from DC to 500 MHz.

Choose from two or four channel models with a wide range of bandwidth

In The Box

- Fluke 190-504 Series III
- Battery charger
- Li-Ion battery pack
- (4) VPS410-II-x probes
- Hang strap
- Hand strap
- USB Cable
- Download info for user manual
- FlukeView-2 demo package (restricted functionality)

Manuals/Guides

Brochures

options. Fast sampling rates up to 5.0 GS/s, 200 ps resolution and deep memory of 10,000 samples per channel allow high-accuracy capture and display of waveform details, noise, and other disturbances. Perform timing or amplitude related measurements on three phases or three-axis control systems, or simply compare and contrast multiple test points in a circuit under test.

With a list of standard features that allow for analysis of low frequency signals, recorder mode for long term measurements, intelligent triggering and a unique 100-screen Replay function help you quickly diagnose issues to minimize repair costs and downtime. These features make the oscilloscopes easy to use especially when diagnosing the most difficult problems like complex waveforms, induced noise, intermittent events and signal fluctuations or drift.

Fluke 190 Series III ScopeMeter features:

- Up to four independent floating isolated inputs, up to 1000 V
- Up to 5 GS/s real time sampling (depending on model and channels used)
- Deep memory: 10,000 points per trace waveform capture (scope mode)
- CAT III 1000 V/CAT IV 600 V safety rated instrument for industrial environments
- Up to seven hours of battery operation using BP291
- Large, bright color display is easy to view in nearly any environment
- Easy to store and view historical data and transfer to a PC via USB or Wifi
- Convenient battery access door for quick battery swaps in the field
- IP51 rating, dust and drip-proof
- Connect-and-View triggering for intelligent, automatic triggering on fast, slow and even complex signals
- Frequency spectrum using FFT-analysis
- Automatic capture and REPLAY of 100 screens
- ScopeMeter 190 Series III covers a wide application range from mV to kV

Connect-and-View triggering

Connect-and-View triggering provides an instant, stable display without the need for adjusting settings. If you’ve used other scopes, you know how tricky triggering can be. If settings are incorrect, results can be unstable or incorrect. Connect-and-View automatically sets up correct triggering by recognizing signal patterns. Without touching a button, you get a stable, reliable and repeatable display of virtually any signal including motor drive and control signals. It’s especially fast and convenient when you’re measuring a number of test points in rapid succession.

Built-in digital multimeter

Conveniently switch from waveform analysis to precise multimeter measurements using the built in 5000 count digital multimeter on two channel 190 Series III models. Measurement functions include Vdc, Vac, Vac+dc, resistance, continuity and diode test. Measure current and temperature using suitable shunt, probe or adapter with wide range of scaling factors.

TrendPlot paperless recorder records up to 11 days to find intermittent faults

The toughest faults to find are those that happen only once in a while. These intermittent events can be caused by bad connections, dust, dirt, corrosion, or simply broken wiring or connectors. Line outages, dips,

- [Fluke Premium Care Flyer](#)

Spec Sheets

- [Data Sheet](#)

Other

- [Fluke Premium Care plans - 2023](#)

swells and interruptions, or the starting and stopping of a motor can also cause a machine to stop.

- Plot minimum and maximum peak values and average over time
- Plot any combination of up to four readings including voltages, amps, temperature, frequency and phase for all inputs, all with time and date stamp to pinpoint faults

ScopeRecord mode for high resolution waveform recording

ScopeRecord memory stores up to 30,000 or more data points per channel, capturing fast intermittent events and glitches as short as 8 ns. (Two sets of multiple channel recordings can be stored to internal memory for later analysis.)

- Records events like UPS, power supply or motor start-up cycles
- With the Stop on Trigger mode, the ScopeMeter automatically recognizes a power failure and stores the waveform data preceding it.

Manufacturer Specs

[Please click here](#) for technical specifications.

Tech Specs

Oscilloscopes/Portable Oscilloscopes Template

Bandwidth	500 MHz
Channels	4
Sampling Rate	5 GS/S (5000 MS/S)
Screen Type (Oscilloscopes)	LCD
Isolated Inputs	Yes
Screen Size	5.3 IN
Color Screen	Yes
Rise Time	0.7 ns
Memory	10000 Points (0.00098 kB)

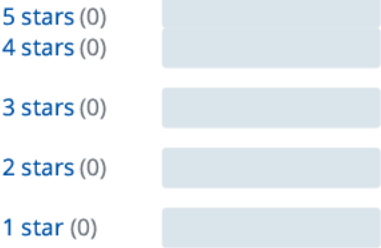
Test Equipment General Attributes

Product Weight	4.8 LBS
Shipping Weight	5.52 LBS
HTS/Schedule B Number	9030.20.1000
ECCN Number	3A992.G

Fluke 190-504-III Product Reviews

0★

Out of 5
Average Customer Review



Share your thoughts with
other customers

WRITE A REVIEW

Central Hudson Gas & Electric Corporation
Purchasing Department
284 South Avenue
Poughkeepsie, NY 12601-4879

E-mail: purchasing@cenhud.com
Phone: (845) 486-5835
Facsimile: (845) 486-5746

GENERAL TERMS AND CONDITIONS either previously provided, available on request or via
CHGE Public Intranet: <https://www.cenhud.com/contractors/purchasing-order-terms/>
are incorporated in and considered part of this Purchase Order. Seller acknowledges that it
has read this Purchase Order and the aforesaid General Terms and conditions and
understand and agree to be bound by its instructions, terms, provision and conditions.

The equal employment opportunity clause in Section 202 of Executive Order #11246,
as amended, relative to equal employment opportunity and the implementing
rules and regulations of the office of federal contract compliance
are incorporated herein by specific reference.

PLEASE NOTE PAGE 1 CONTAINS INSTRUCTIONS ONLY, ITEM DETAILS FOLLOW ON SUBSEQUENT PAGES

IMPORTANT: Purchase Order Number and Central Hudson Item Material Number(s) must appear on all invoices, packages and
correspondence. CHGE reserves the right to reject any shipments which do not reference our Order and Material Numbers.

CONFIRMATION of this order is **REQUIRED** Via E-Mail: purchasing@cenhud.com, Phone: (845) 486-5835 or Fax: (845) 486-5746

Delivery Appointment is required at least 48 Hours (2 Full Business Days) in advance if: 1) Noted in Freight Terms Below
or Description/Specifications, 2) Total Gross Shipment Weight >5,000 lbs or 3) Non-box truck carrier is used.

***MUST SPEAK** with Chief Storekeeper at 845-883-3324 to secure a Delivery Appt NO LESS than 2 Full Business Days in Advance *

Central Hudson reserves the right to REJECT shipments without required Delivery Appt AND/OR ASSESS a -2% UNIT PRICE REDUCTION

E-Mail Invoices To: ap@cenhud.com or send via postal mail to:

Central Hudson Gas & Electric Corporation, Accounts Payable, 284 South Ave, Poughkeepsie, NY 12601-4879

Note:

- Note Freight Terms and if required, bill charges as a separate line on invoices.

TO: (Vendor/Supplier/Merchant/Seller) CHGE Vendor No.: 18764 HI LINE UTILITY SUPPLY 51 PRAIRIE PARKWAY GILBERTS IL 60136 E-Mail: TODD.NICHOLS@HILINECO.COM Facsimile: 847-488-1285	SHIP TO: (CHGE Delivery Location) CHGE Storeroom No. 16 (20230113 RE-PRINTED) CENTRAL HUDSON GAS & ELECTRIC CORPORATION GENERAL SERVICES STOREROOM GNLSV STOREKEEPER 845-883-3329 24 SOUTH STREET HIGHLAND NY 12528 SHIP TO ATTN: JEANNE M KROPP
---	--

*****PLEASE REVIEW** your company information for accuracy and advise Central Hudson if any updates are needed.

Please ensure we have a current e-mail address to send your Purchase Orders***

Provide SDS (Safety Data Sheet) if required by OSHA 29CFR 1910.1200 with all shipping documents.

ORDER DATE	DELIVERY DATE	FREIGHT TERMS	PAYMENT TERMS
2022/12/08	2023/03/30	FOB ORIG: SHIP BEST WAY	N30

CHGE PURCHASING BUYER: JOHN L LEWIS
JLEWIS@CENHUD.COM
845-486-5402

TO: (Vendor/Supplier/Merchant/Seller)

CHGE Vendor No.: 18764

HI LINE UTILITY SUPPLY
51 PRAIRIE PARKWAY
GILBERTS IL 60136

E-Mail: TODD.NICHOLS@HILINECO.COM

Facsimile: 847-488-1285

SHIP TO: (CHGE Delivery Location)

CHGE Storeroom No. 16 (20230113 RE-PRINTED)

CENTRAL HUDSON GAS & ELECTRIC CORPORATION
GENERAL SERVICES STOREROOM
GNLSV STOREKEEPER 845-883-3329
24 SOUTH STREET
HIGHLAND NY 12528
SHIP TO ATTN: JEANNE M KROPP

Item No.	UOM	Qty	Material #	Description/Specifications	Unit Price	Total
1	PC	2		Specifications: LINE 1.1 OF QUOTE. 18' GROUNDS BUILT AS PER QUOTE Requisition No.: 42163 Vendor Bid No.: 10194686		
2	PC	18		Specifications: LINE 2.1 OF QUOTE PART NUMBER MC01-M-037__UNIVERSAL GROUND CLAMP Requisition No.: 42163 Vendor Bid No.: 10194686		
3	PC	2		Specifications: LINE 3.1 OF QUOTE TEST LABEL CERTIFICATION REPORT ITEM NUMBER HLRTP1 Requisition No.: 42163 Vendor Bid No.: 10194686		
4	PC	5		Specifications: 11.1 ***NEW / REVISED ADDITION*** 2/0 YELLOW CABLE, 18 FT EACH W/ CHC600-2608 ON ONE END CHC600-3109 FERRULE ON THE OTHER END. NO CLAMPS ON EITHER END, JUST FERRULES. PART NUMBER HLGROUND 2/0 Requisition No.: 42163 Vendor Bid No.: 10194686		
5	PC	5		Specifications: LINE 7.1 OF QUOTE GROUND CLAMP 30 DEGREE P/N HS10385 Requisition No.: 42163 Vendor Bid No.: 10194686		
6	PC	18		Specifications: LINE 8.1 OF QUOTE SUBSTATION GROUND CLAMP PART NUMBER HS21057 Requisition No.: 42163 Vendor Bid No.: 10194686		
7	PC	5		Specifications: LINE 9.1 OF QUOTE 2/0 COPPER GROUNDING FERRULE PART NUMBER CH600-2608 Requisition No.: 42163		

TO: (Vendor/Supplier/Merchant/Seller)

CHGE Vendor No.: 18764

HI LINE UTILITY SUPPLY
51 PRAIRIE PARKWAY
GILBERTS IL 60136

E-Mail: TODD.NICHOLS@HILINECO.COM

Facsimile: 847-488-1285

SHIP TO: (CHGE Delivery Location)

CHGE Storeroom No. 16 (20230113 RE-PRINTED)

CENTRAL HUDSON GAS & ELECTRIC CORPORATION
GENERAL SERVICES STOREROOM
GNLSV STOREKEEPER 845-883-3329
24 SOUTH STREET
HIGHLAND NY 12528
SHIP TO ATTN: JEANNE M KROPP

Item No.	UOM	Qty	Material #	Description/Specifications	Unit Price	Total
----------	-----	-----	------------	----------------------------	------------	-------

Vendor Bid No.: 10194686

8

PC

5

Specifications:

LINE 10.1 OF QUOTE. FERRULE, GROUNDING THREADED 2/0 TIN PLATED
PART NUMBER CH600-3109

Requisition No.: 42163

Vendor Bid No.: 10194686

Total Order Value

**** This is last page of Purchase Order ****

PAGE 3

Products Based on Your Search

 STANLEY Tape Measure: 25 ft Blade... ☐ Compare Web Price   / each	 PROTO Master Tool Set: 1,046 Total Pcs,... ☐ Compare Web Price   / each	 RACO Electrical Box Cover: Square, 2 Gang... ☐ Compare Web Price   each
---	--	--

Related Categories

 Voltage Detectors	 Electrical Power Testing	 Test Instruments
--	--	--

[Voltage Detectors](#) / SALISBURY High Voltage AC Detector: 240V...



☐ Compare

SALISBURY High Voltage AC Detector: 240V AC to 230kV AC, Audible/Visual, Audible Alert

Item 5ZV84 Mfr. Model 4356

Web Price   / each

Qty 1

Add to Cart

☒ Ship

☐ Pickup

Expected to arrive Thu. Apr 27.

Ship to 12601 | [Change](#)

Shipping Weight **3 lbs**

[Ship Availability Terms](#)

Add to List

Product Details Catalog Page N/A

Voltage Range	240V AC to 230kV AC
Indication	Audible; Visual
Audible Alert	Yes
Battery Type	C
Length	12 in

Included

PUBLIC REDACTED
(3) C Batteries; Mfr. No. 21517 Case; Mfr. No. 2500 Shot Gun Adapter; Mfr. No. 4244 Tester

Product Type **High Voltage AC Detector**

UNSPSC **46182103**

Country of Origin **Australia (subject to change)**

INVOICE

www.irby.com
815 Irby Drive • Jackson, MS 39215

STUART C IRBY BR503 NASHVILLE TN
1284 HEIL QUAKER BOULEVARD
LA VERGNE TN 37086-3515
601-969-1811 Fax 601-960-7373

INVOICE DATE	ORDER NUMBER
01/30/23	S013386686.001
PLEASE REMIT PAYMENT TO:	
STUART C IRBY CO PO Box 741001 ATLANTA GA 30384	
TO VIEW OR PAY ONLINE GO TO:	http://irby.billtrust.com
USE THIS ENROLLMENT TOKEN:	MHW MKD FRG

SHIP TO

CH ENERGY GROUP INC
CHG&E CORP. HIGHLAND
284 SOUTH AVENUE
POUGHKEEPSIE NY 12601-4838

CHG&E CORP. HIGHLAND NON ERS
24 SOUTH STREET
JEAN 845-883-3324
HIGHLAND NY 12528-2416

CUSTOMER NUMBER	CUSTOMER ORDER NUMBER	ORDERED BY	JOB/RELEASE NUMBER	OUTSIDE SALESPERSON	
84765	95041	JOHN LEWIS		Erinn M May	
INSIDE SALESPERSON	SHIP VIA	TERMS	SHIP DATE	ORDER DATE	
Doug J McDermott	BW BEST-WAY	Net Next End of Month	01/30/23	01/30/23	
LINE	DESCRIPTION	ORDER QTY	SHIP QTY	NET UNIT PRC	EXT AMOUNT
1	ESTES 037-2955175-1 HAST ST-240 TEL-O-POLE HOTSTICK Your # 65-48-047 Your Location : 2-M29K	24	24		
Register Today with your Irby Customer Number www.irby.com Easily view your invoices, review open orders, determine proof of delivery signatures					

Invoice is due by 02/28/23.

OUR PRODUCT AND SERVICES ARE SUBJECT TO, AND GOVERNED
EXCLUSIVELY BY, OUR TERMS AND CONDITIONS OF SALE, WHICH ARE
INCORPORATED HEREIN AND AVAILABLE AT www.irby.com/terms.
ADDITIONAL OR CONFLICTING TERMS ARE REJECTED, VOID AND OF NO
FORCE OR EFFECT

FleetWave® - HUDSON v2.138.1 x Makita XT1501 - Google Search x Makita XT1501 18V LXT Lithium- x +

toolbarn.com/products/makita-xt1501?variant=40023253844165&gclid=EAIaIQobChMI47y32bzH_gIVDR5zAB0mPwPyEQAQYASABEgK1ZID_BwE

Widesk Thanks for choosin... Home - CHWiki - BL... https://wd5.mywor... DASH: Login Serv-U New Tab Internal Audit Man... FleetWave® - HUD... Tyndale FRC MyGeotab Internal Audit - Ho... Widesk Central Hudson Cu... Other bookmarks

FREE SHIPPING OVER \$199 ON MOST ORDERS • REGISTER LOGIN

toolbarn Search for tools, parts or accessories Brands Specials Parts Schematics **bb** Barn Bucks Contact Us

Pressure Washers ▾ Nailers & Staplers ▾ Power Tools ▾ Hand Tools ▾ Floor Cleaning ▾ Safety ▾ Accessories ▾ Air Tools ▾ More ▾

Home > 18V LXT Lithium-Ion Cordless 15-Tool Combo Kit 3.0 Ah



Oversized



MAKITA XT1501 18V LXT LITHIUM-ION CORDLESS 15-TOOL COMBO KIT 3.0 AH

SKU: MAKITA-XT1501 MODEL: XT1501

☆☆☆☆☆ | Ask a question



The Makita 18V LXT Lithium-Ion cordless 15-piece Combo kit is the ultimate for the pro-user who demands a full range of best-in-class cordless solutions.

Availability: **2-4 weeks**

bb Earn 1899 Barn Bucks [Learn More](#).

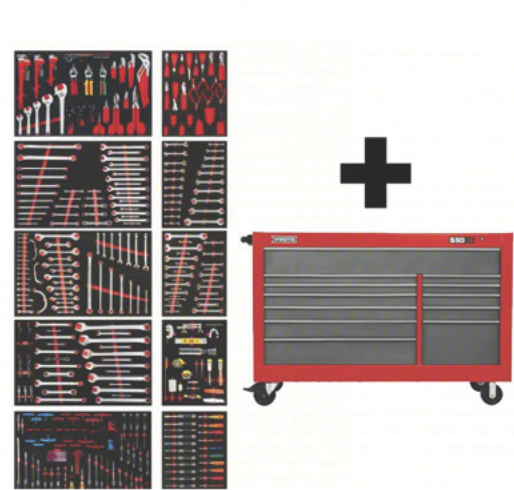
- 1 + ADD TO CART

 Click to expand

 4.4 ★★★★★
Google Customer Reviews

RELATED PRODUCTS PRODUCT OVERVIEW SPECIFICATIONS REVIEWS RECOMMENDED

General Maintenance Tool Sets / PROTO Master Tool Set: 1,258 Total Pcs...



PROTO Master Tool Set:
1,258 Total Pcs, Metric, 1/4
in/3/8 in/1/2 in/3/4 in
Socket Drive Size

Item 7DE34 Mfr. Model 7DE34

☐ Compare

Product Details Catalog Page N/A

Brand **PROTO**

Manufacturer Part Number **7DE34**

Total Pcs **1,258**

Tool Storage Type **Rolling Tool Cabinet**

Measurement Type **Metric**

Socket Drive Size **1/4 in; 3/8 in; 1/2 in; 3/4 in**

Tool Families Included
Cutting Tools; Drivers and Bits; Electrical and Telecom Tools; Inspection and Retrieving Tools; Measuring and Testing Tools; Miscellaneous Tools; Pliers; Putty Knives and Scrapers; Striking and Struck Tools; Wrenches

Pliers Included
(1) Lineman's Pliers
(2) Slip-Joint Pliers
(2) Specialty Pliers
(3) Diagonal-Cutting Pliers
(3) Locking Pliers
(4) Long-Nose Pliers
(4) Tongue and Groove Pliers

Number of Pliers **19**

Number of Screwdrivers, Keys, and Bits **151**

Web Price   / each

This item requires special shipping, additional charges may apply.

Qty **1** **Add to Cart**

☒ Ship ☐ Pickup

 **Delivery Date Unavailable.**
Ship to 12601 | [Change](#)

Shipping Weight **440.1 lbs**
[Ship Availability Terms](#)

[Add to List](#)

- (1) Specialty Screwdriver
- (11) Slotted Screwdrivers
- (2) Bit Holders
- (2) Multi-Bit Screwdrivers
- (2) Screw Starters
- (23) Nut Drivers
- (39) Hex Keys
- (48) Screwdriver Bits
- (6) Precision Screwdrivers
- (8) Phillips Screwdrivers
- (9) Torx Screwdrivers

Number of Sockets, Drive Tools, and Accessories **648**

Sockets, Drive Tools, & Accs Included

- (141) Impact Sockets
- (20) Drive Tools
- (360) Sockets
- (44) Accessories
- (7) Impact Socket Bits
- (76) Socket Bits

Number of Wrenches **230**

Wrenches Included

- (1) Chain Wrench
- (19) Flare Nut Wrenches
- (2) Torque Wrenches
- (3) Pipe Wrenches
- (35) Box End Wrenches
- (5) Adjustable Wrenches
- (51) Open End Wrenches
- (52) Combination Wrenches
- (62) Crowfoot Wrenches

Number of Striking and Struck Tools **51**

Striking and Struck Tools Included

- (1) Mallet
- (18) Punches
- (23) Hammers
- (9) Chisels

Number of Cutting Tools **13**

Cutting Tools Included

- (1) Pipe Cutter; (2) Hand Saw; (5) Knives; (5) Sheet Metal Snips

Number of Measuring and Testing Tools **38**

Measuring and Testing Tools Included

- (1) Level; (2) Tape Measures; (35) Feeler Gauges

Number of Inspection and Retrieving Tools **7**

Inspection and Retrieving Tools Included

- (1) Magnetic Pick-Up Tool; (1) Pick; (2) Inspection Mirrors; (3) Hook Picks

Number of Putty Knives and Scrapers **3**

Putty Knives and Scrapers Included (1) Carbon Scraper; (2) Putty Knives

Number of Electrical Tools **PUBLIC REDACTED 0**

Plumbing Tools Included **None**

Number of Electrical and Telecom Tools **1**

Electrical and Telecom Tools Included **(1) Wire Stripper**

Number of HVAC Tools **0**

HVAC Tools Included **None**

Number of Abrasives and Finishing Tools **0**

Abrasives and Finishing Tools Included **None**

Number of Miscellaneous Tools **3**

Miscellaneous Tools Included
(1) Flashlight; (1) Handheld LED Light; (1) Staple/Nail Gun

UNSPSC **27113201**

Country of Origin **USA (subject to change)**

Product Description

The rolling tool cabinet included with these sets moves along flat surfaces to reposition tools within a room or transport tools within a facility. Multiple drawers organize and store tools and keep them enclosed to protect against damage and dust when not in use. The drawers slide open for access to load and unload tools and supplies.