

STATE OF NEW YORK
PUBLIC SERVICE COMMISSION

At a session of the Public Service
Commission held in the City of
Albany on June 15, 2017

COMMISSIONERS PRESENT:

Gregg C. Sayre, Interim Chairman
Diane X. Burman

CASE 16-G-0542 - Petition of Consolidated Edison Company of New
York, Inc. for Approval of Sensus RT230TC Gas
Meter.

ORDER APPROVING SENSUS RT230TC GAS METER

(Issued and Effective June 21, 2017)

BY THE COMMISSION:

INTRODUCTION

By petition dated September 16, 2016, Consolidated Edison Company of New York, Inc. (Con Edison) requested approval of the Sensus RT230TC gas meter (RT230TC) for use in gas metering applications. By this Order, the Commission finds that the Sensus RT230TC meter meets the required standards, and approves the Sensus RT230TC meter for use in gas metering applications in New York.

BACKGROUND AND PETITION

Public Service Law (PSL) §67, requires that utilities use gas meters of a type approved by the Commission. Title 16 NYCRR Part 227 sets forth the requirements for Commission consideration of new gas meter types. As required by 16 NYCRR §227(a)(3), a New York State utility, Con Edison, has sponsored the RT230TC and indicated that, upon approval, it intends to use the product in its service territory.

The RT230TC is an American National Standards Institute (ANSI) Class 250 gas meter rated for flow rates of up to 230 cubic feet per hour, with a maximum delivery pressure of up to five pounds per square inch. The RT230TC outer case is constructed from cast aluminum alloy, and is suitable for indoor or outdoor use. The RT230TC has threaded plumbing connections that attach directly to a meter bar, and is designed as a replacement for tin case meters that have wide center-to-center top connections.¹

The RT230TC meter measurement module consists of two wave-shaped diaphragms, similar in design to accordion bellows, that are molded from a synthetic rubber material, and are designed to ensure a complete fill and discharge of natural gas through the meter. Each expansion and contraction measures a fixed incremental quantity of natural gas. Sensus claims this design improves reliability, accuracy, and long term performance.

The RT230TC meter includes a temperature compensation module that corrects the meter index for variations in the delivery temperature of natural gas. The RT230TC meter also can be equipped with an automatic meter reading (AMR) communication module that can collect and transmit meter consumption data at regular intervals.

NOTICE OF PROPOSED RULE MAKING

Pursuant to the State Administrative Procedure Act (SAPA) §202(1), a Notice of Proposed Rulemaking was published in the State Register on November 9, 2016 [SAPA 16-G-0542SP1]. The time for submission of comments pursuant to the Notice expired on December 27, 2016. No comments were received.

¹ A meter bar is used to safely mount a gas meter for connection to customer equipment.

DISCUSSION AND CONCLUSION

Sensus conducted tests on the RT230TC meter in accordance with the requirements of 16 NYCRR Part 227 and ANSI B109 specifications. Sensus certifies that the RT230TC complies with the applicable requirements of 16 NYCRR Part 227 and ANSI B109.1 for diaphragm type gas displacement meters operating at flow rates under 500 cubic feet per hour.

To ensure the performance of the RT230TC meter, Staff conducted a series of accelerated life tests at Con Edison's gas meter testing facility. The test schedule required the RT230TC test sample to accumulate approximately one million cubic feet of simulated gas flow during a 4,000 hour test schedule. During this interval, Staff conducted performance tests on the RT230TC meter at ambient, and winter, temperatures and found the RT230TC meter maintained accuracy within the limits required by 16 NYCRR Part 227 and ANSI B109 national standards.

The Commission is satisfied with the certification and national standard testing schedule used to determine the performance of the RT230TC. The Commission therefore approves the RT230TC for use in gas revenue metering applications in New York State.

The Commission orders:

1. The Sensus RT230TC is approved for use in New York State.
2. This proceeding is closed.

By the Commission,

(SIGNED)

KATHLEEN H. BURGESS
Secretary