



ACCURATE • RELIABLE • COMPACT

The Cubix250 is the economical meter alternative for companies seeking a value price while maintaining comparable performance. Roughly 25% smaller and 35% lighter than the widely-used Sensus R-275 residential meter, the Cubix meter's cube shape and light weight offers increased efficiency from the warehouse to the job site. Combine these benefits with our eco-friendly finishing processes and this little meter makes a pretty big statement about conservation, too.



WHAT IS THE CUBIX250?

- The Cubix250 is a class 250 positive displacement diaphragm meter for use on natural gas and other non-corrosive gas systems.

IS THIS A BRAND NEW DESIGN?

- The Cubix250 meter design is based on a Sensus design sold extensively throughout Europe.
- Sensus has sold over 10 million of the European design meters into that market.

WHAT TESTING HAS BEEN CONDUCTED TO VERIFY THE FEATURES AND BENEFITS OF THE CUBIX250 METER?

- All ANSI B109.1 required testing is complete.
- 4000 hours (1,000,000 cf NG) accelerated life testing completed on outdoor natural gas rack.
- Extended high temperature performance, 90 days at 140 °F.
- Extended low temperature performance, 60 days at -30 °F.
- Endurance accelerated life testing on air in excess of normal operation is completed.

WHAT IS THE DIFFERENCE BETWEEN THE CUBIX250 AND THE METER USED IN EUROPE?

- The primary difference is the adjustable tangent used in the Cubix250 meter. The European design uses fixed gearing to set the meter accuracy.
- The internal gearing ratio is slightly different from the European design to accommodate the 2 cf/rev output drive.
- The cover-to-body seal is different. The Cubix250 uses a U-shaped cover-to-body seal.

WHAT ARE THE CUSTOMER BENEFITS?

- The Cubix250's compact design and smaller footprint provides a greener alternative.
- The Cubix250 provides a lower cost option.
- The 6" center-to-center design fits the same installations as other Class 250 diaphragm meters.
- The 2 cubic foot indexes and AMR devices used on the R-275 also fit the Cubix250, which eliminates the need to retrain meter readers on how to interpret the index reads.

IS STATE APPROVAL REQUIRED?

- Not all states require formal approval.
- In states requiring Public Utility Commission approvals, Sensus is seeking utility partners for sponsorship.
- Sensus has submitted the Cubix250 for approval in those states that require approval for sub-metering applications, specifically California and Massachusetts.
- Massachusetts state approval for sub-metering applications has been granted. California state approvals are anticipated in early 2011.

WHEN CAN I PURCHASE CUBIX250 METERS?

- The Cubix250 non-temperature compensated meters are available for immediate delivery.
- The temperature compensated versions will be released in January 2011.

HOW DOES A UTILITY REQUIRING INTERNAL COMPANY APPROVAL OBTAIN METERS FOR TEST?

- Request test meters through your Sensus distributor.
- Preference will be given to customers who have a committed schedule for testing and evaluation.
- Meters will typically be provided free of charge in small quantities (<25) where a test plan and schedule are in place and when test data will be shared with Sensus.
- In all other circumstances, there will be a charge for the meters.

WHAT IS THE NUMBER OF REVOLUTIONS ON THE CUBIX250?

- The internal drive of the meter is 16 revolutions per cubic foot.

IS THE CUBIX250 AVAILABLE IN A METRIC VERSION?

- Yes. The model designation for the metric version is CubixMR-7.

WHAT IS THE CYCLIC VOLUME ON THE CUBIXMR-7?

- The CubixMR-7 has a cyclic volume of 0.0018 m³/cycle.

DO THE R-275 INDEXES FIT THE CUBIX250?

- The Cubix250 is a 2 cf/rev output meter and all R-275 2 cf/rev indexes can be used on the meter.

CAN I GET A PULSE OUTPUT FROM THE CUBIX250?

- The Sensus pulse index requires a 1 cf/rev index drive which is not available on the Cubix250.
- RIOTronics Corporation provides a pulse retrofit kit that fits the 2 cf/rev direct read indexes.

WILL MY AUTOMATED METER READING (AMR) DEVICE INTERFACE WITH THE CUBIX250?

- The AMR devices approved for use on the R-275 also fit the Cubix250 meter.

WHAT OTHER FEATURES ARE DIFFERENT FROM THE R-275?

- The stuffing box assembly has been replaced by a magnetic coupling on the Cubix250.
- The Cubix250 uses the same Buna-N diaphragm material as the R-275 accuWAVE™ diaphragm; however it does not use our proprietary accuWAVE technology.
- On the Cubix250, all four measuring chambers are part of the module.

WHAT IS THE BENEFIT OF THE MAGNET DRIVE?

- The driver/follower magnet arrangement has been used successfully on Sensus turbo meters for over thirty years and enables the meter to use nonmoving sealing components.

DOES THE MAGNETIC DRIVE ON THE CUBIX250 INTERFERE WITH THE AMR OUTPUT?

- We do not anticipate any interference from the magnetic coupling with the AMR device.
- Aclara has verified there is no interference with the output from their device.

CAN I STILL BUY THE R-275 METER?

- Yes. Sensus is offering both the R-275 and the Cubix250 meters for residential applications.