

Clocking the new advanced gas meters

Over the next few years, more than one million FortisBC gas customers will have their current gas meters upgraded to wireless advanced meters through our Gas Advanced Metering Infrastructure (AMI) Project.



Sonix IQ meter clocking

The process for clocking the new Sonix IQ advanced meters is different from traditional diaphragm meters. The clocking formula is the same, however the information is now located on an easy-to-read LCD display instead of on the analog test dials found on diaphragm meters.

The display automatically alternates between a temperature compensation (TC) display and flow rate (FL) display every four to five seconds. There are two options to determine flow rate:

Option 1

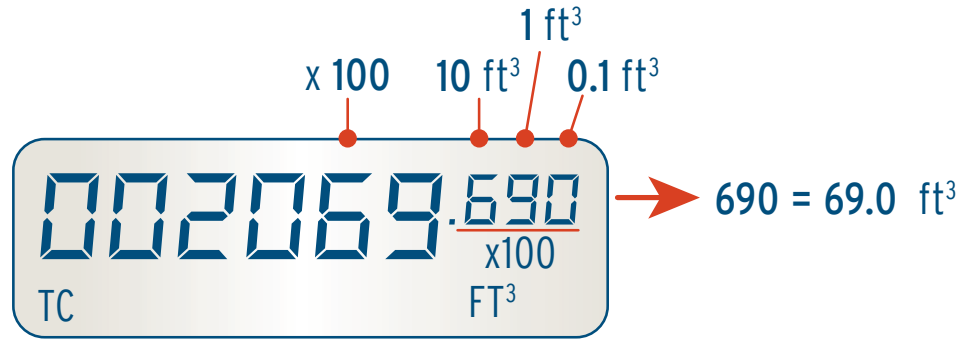
FL display screen - the flow rate indicated shows the live flow rate in ft³/hr. The pressure correction factor needs to be applied in cases where inlet pressure is greater than **0.5 psig**.



$$\text{FL reading (ft}^3\text{/hr)} \times \frac{(\text{metering pressure (psig)} + \text{site atmospheric pressure (psia)})}{\text{Absolute pressure (14.73 psia)}} \times \text{calorific value} = \text{BTU/hr}$$

Option 2

TC display screen - the three digits after the decimal point indicate consumption in ft³. The minimum flow rate is 0.25ft³.



$$\frac{3600 \times \text{test dial (ft}^3\text{)}}{\text{Seconds per digit change}} \times \frac{(\text{metering pressure (psig)} + \text{site atmospheric pressure (psia)})}{\text{Absolute pressure (14.73 psia)}} \times \text{calorific value} = \text{BTU/hr}$$

Note: Sonix IQ meters are only temperature compensated and will need the pressure correction factor applied when inlet pressure is greater than **0.5 psig**.

Some advanced meters have already been installed by our technicians during routine maintenance as part of our regular meter exchange program. We anticipate exchanging the remainder of our customers' gas meters by early 2028.

Questions?

To learn more about the Gas AMI Project and for project updates, visit fortisbc.com/newgasmeters.

Connect with us @fortisbc

