

SM700

Fluidic oscillator
Intelligent water meter



SM700 intelligent water meter

The SM700 fluidic oscillator water meters address the global need for economic intelligent metering technology. With no-moving parts, the SM700 is not affected by the wear and subsequent accuracy problems that are caused by particulate matter, such as sand and grit, to prevent lost revenue and offer whole life meter accuracy.

Proven technology

The SM700 fluidic oscillator water meters have been shown in customer usage and independent laboratory tests to prevent losses in water metering revenue that are caused through progressive meter inaccuracy. SM700 water meters have no-moving parts and are unaffected by grit and particulates, including sugar sand (a fine silt). Even in some applications where water quality is high, degradation in accuracy of mechanical meters may still occur and the lost revenue would be protected by the sustained accuracy of the SM700.

Advanced metering technology

The SM700 can accurately measure water in volumetric units through the advanced fluidic oscillation technology. The SM700 is fully AMR/AMI enabled and communicates using standard ASCII protocols, as used by most AMR/AMI vendors. Product customization through factory potted connections provide flexibility in installation options and longevity in pit environments.

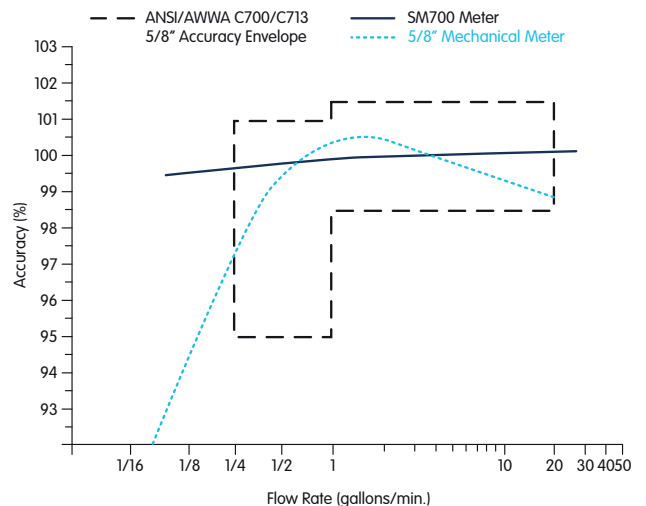
Standards and approval

The SM700 fluidic oscillator design exceeds the accuracy performance requirements of the AWWA C713 standard for fluidic oscillator water meters. The SM700 is certified to NSF-61 (including annex F and G) and complies with the lead-free requirements of the Safe Drinking Water Act and NSF-372.

Global leader

More than one and a half million intelligent fluidic oscillating water meters have been installed by customers around the world, often in harsh environments such as the Middle East and Africa.

Typical SM700 Meter Accuracy





SM700 Features

- Uses no-moving parts technology
- Improved linearity of accuracy over mechanical meters
- Sizes 5/8" through 1"
- Clear LCD display and advanced encoded communication
- Tamper / fraud / air / no flow detection
- Advanced leakage data
- Meter diagnostics
- High resolution measurement by volumetric unit
- Removable battery pack
- AMR/AMI connectivity through factory potted cables and in-line connector options

SM700 Benefits

- Sustained accuracy throughout its entire lifetime
- No lost revenue through progressive loss of accuracy
- Unaffected by grit, sugar sand or other particulates
- Economically brings intelligent measurement technology benefits to metering systems
- AMR/AMI ready using standard ASCII protocols
- Quiet operation from no-moving parts
- Does not measure air
- Removable battery allows for ease of recycling
- Installation flexibility through factory potted connections





About Elster AMCO Water, LLC

Elster AMCO Water is part of Elster Group, one of the world's largest measurement and communications technology providers for gas, electricity and water industries. We are committed to delivering superior customer service, high-quality products and innovative solutions to the water industry.

About Elster

Elster is a world leader in measuring and improving the flow of water, natural gas and electricity in more than 130 countries. With one of the most extensive installed revenue measurement bases in the world, and more than 200 million metering modules deployed over the course of the last 10 years alone, Elster enables the vital connections between technology, energy and critical resources for our global community.



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