



Octave brings the latest in ultrasonic metering technology to Commercial/Industrial (C&I) water meters and puts precise measurement where the real flows exist. An excellent alternative to mechanical compound, single-jet, floating ball, fire-service type and turbine meters, Octave excels at maintaining sustained accuracy for the life of the meter while providing smart AMR capabilities.

Technical Specifications:

Working Pressure - 175 PSI

Liquid Temperature - 32.1° - 122 °F

Metrological Characteristics - Meets ANSI/AWWA Standard C715-18, C750-10, ISO 4064 rev. 2005

Configuration - Compact-Display built into unit

Power Source - 2 x D Size Lithium Thionyl Chloride batteries - 10 year warranted life time

Environmental Protection - NEMA 6P (IP68), Ambient operation temp. - 13 °F / +131 °F for the display

Display Units - Multi line 12 digit LCD (Programmable USG, Cubic Feet, Cubic Meters, Acre Feet for volume and GPM, Lt/s, or M³/h for rate of flow)

Output - Programmable digital pulse, Modbus, encoder OR externally powered loop 4-20 mA. Optional dual output available in encoder + pulse.

Features & Benefits:

- Industry leading low flow sensitivity reduces Non-Revenue Water
- High Performance Glass Reinforced Polymer main casing that meets ANSI/NSF 372 (AB1953 or NSF61G)
- Easy to install Floating Flange double drilled to fit 1.5" or 2" service connections.
- No moving parts. Minimal flow intrusion. Enduring accuracy.
- No required strainer
- Industry standard communication protocol for integration with most third-party AMR/AMI systems
- Active leak, theft, backflow, meter damage/tamper, rate of flow, and battery life indication
- Detailed LCD display features immediate reporting and visual indicators for 8 critical conditions
- Ruggedized NEMA 6P/IP-68 construction; fully submersible design
- Designed to meet standards for both North American and International C&I water meters
- Optional flow measurements; Forward Only, Net Volume or Alternating Display (Forward and Reverse Consumption displayed separately)



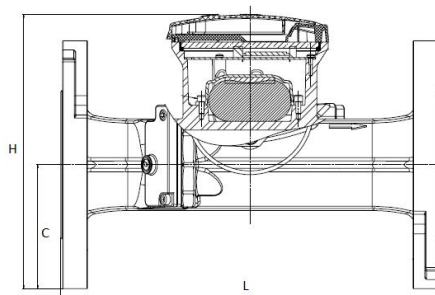
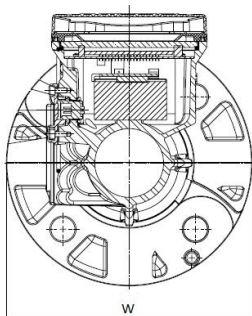
Performance Data

Octave Nominal Size inch (mm)	Extended Low Flow 95% - 105% Accuracy GPM (Lt/s)	Normal Flow Range 98.5% - 101.5% Accuracy GPM (Lt/s)	Continuous Safe Max Flow GPM (Lt/s)
1.5" and 2" (40 mm and 50 mm)	1/2 (.032)	3/4 - 200 (.047 - 12.6)	200 (12.6)

Dimensions

Octave - Polymer w/ Epoxy Coated Ductile Iron Flanges			
Model	Floating Flange		
Nominal Size	*1.5"x13" (40 mm)	*2"x15.25" (50 mm)	2"x17" (50 mm)
L - Length	13" (330 mm)	15.25" (390 mm)	17" (432 mm)
W - Width	5 3/4" (146 mm)	5 3/4" (146 mm)	5 3/4" (146 mm)
H - Height	6 3/4" (172 mm)	6 3/4" (172 mm)	6 3/4" (172 mm)
C - Center Pipe Height	2 1/8" (54 mm)	2 1/8" (54 mm)	2 1/8" (54 mm)
Weight	5 lbs (2.25 kg)	6 lbs (2.7 kg)	7 lbs (3.2 kg)

*1.5"x 13" and 2"x15.25" available Q4 2020



Master Meter, Inc.

Toll Free: 800.765.6518

Fax: 817.842.8100

innovate@mastermeter.com