



Available in sizes 2", 3", 4", 6", 8", 10" and 12"
UL Certification is available on 2" through 8" only.

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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:

Max Working Pressure - 16 bar (232 PSI)

Liquid Temperature - 0.1° - 50° C (33° - 122° F)

Precision Class - ISO 4064 rev. 2014, Accuracy class 2

Configuration - Compact-Display built into unit

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

Environmental Protection - IP68, Ambient operation temp. -25° - 55° C (-13° - 131° F)

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)

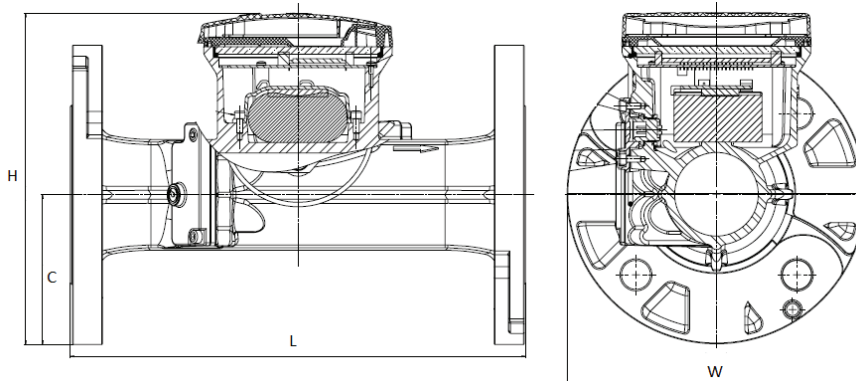
Output - Programmable Encoder, Pulse, 4-20, or Modbus; Optional dual output available in encoder + pulse

Features & Benefits:

- Grade 316 Stainless Steel (2"-6") or Epoxy Coated Ductile Iron (8" - 12") body design provides full compliance with ANSI/NSF 372 (AB1953 or NSF61G).
- No moving parts. Minimal flow intrusion. Enduring accuracy.
- No required strainer.
- Wide beam ultrasonic measurement sensors for high accuracy and reliable operation.
- Industry standard communication protocol for integration with most third-party AMR/AMI systems.
- Active leak, burst, reverse flow, empty pipe, measurement failure, and low battery. LCD also displays rate of flow and water temperature.
- Ruggedized 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).

Dimensions & Meter Performance Acc. ISO 4064 - rev. 2014

Operating Characteristics and Dimensions	2" (50 mm)	3" (80 mm)	4" (100 mm)	6" (150 mm)	8" (200 mm)	10" (250 mm)	12" (300 mm)
Q1 Minimum Flow Rate	0.35 GPM (0.080 m³/h)	0.55 GPM (0.125 m³/h)	0.88 GPM (0.200 m³/h)	2.20 GPM (0.500 m³/h)	3.52 GPM (0.800 m³/h)	8.81 GPM (2 m³/h)	8.81 GPM (2 m³/h)
Q2 Transitional Flow Rate	0.55 GPM (0.125 m³/h)	0.88 GPM (0.200 m³/h)	1.41 GPM (0.320 m³/h)	3.52 GPM (0.800 m³/h)	5.64 GPM (1.280 m³/h)	14 GPM (3.2 m³/h)	14 GPM (3.2 m³/h)
Q3 Permanent Flow Rate	176 GPM (40 m³/h)	277 GPM (63 m³/h)	440 GPM (100 m³/h)	1,100 GPM (250 m³/h)	1,760 GPM (400 m³/h)	4,400 GPM (1,000 m³/h)	4,400 GPM (1,000 m³/h)
Q4 Overload Flow Rate	220 GPM (50 m³/h)	350 GPM (80 m³/h)	550 GPM (125 m³/h)	1,378 GPM (313 m³/h)	2,200 GPM (500 m³/h)	5,500 GPM (1,250 m³/h)	5,500 GPM (1,250 m³/h)
Q3/Q1 (R)	500	500	500	500	500	500	500
Starting Flow	0.11 GPM (0.025 m³/h)	0.11 GPM (0.025 m³/h)	0.11 GPM (0.025 m³/h)	0.88 GPM (0.2 m³/h)	0.88 GPM (0.2 m³/h)	2.20 GPM (0.5 m³/h)	2.20 GPM (0.5 m³/h)
Length	7.87" (200 mm)	8.86" (225 mm)	9.84" (250 mm)	11.81" (300 mm)	13.78" (350 mm)	17.68" (449 mm)	19.65" (499 mm)
Width	6.50" (165 mm)	7.87" (200 mm)	8.66" (220 mm)	11.22" (285 mm)	13.39" (340 mm)	15.98" (406 mm)	19.25" (489 mm)
Height	7.64" (194 mm)	8.27" (210 mm)	8.78" (223 mm)	11.10" (282 mm)	13.07" (332 mm)	15.08" (383 mm)	17.95" (456 mm)
Height from Center Pipe	1.57" (40 mm)	3.54" (90 mm)	4.06" (103 mm)	5.51" (140 mm)	6.50" (165 mm)	7.99" (203 mm)	9.65" (245 mm)
Weight	13 lbs (6 kg)	15 lbs (7 kg)	21 lbs (9.5 kg)	35 lbs (16 kg)	99 lbs (45 kg)	150 lbs (68 kg)	212 lbs (96 kg)



NOTE - For Performance charts please see Engineering Document - Octave | Version 10.17