

Be Confident with Sustained Accuracy Over Time

Neptune® MACH 10® Ultrasonic Meter



Because the Neptune® MACH 10® ultrasonic water meter has no internal parts that can wear over time, there is no opportunity for accuracy loss over the life of the meter. The MACH 10 combines solid state metrology with a corrosion-resistant, lead-free, high-copper alloy maincase, built to withstand demanding service conditions – internal water pressure, rough handling during installation, and in-line piping stresses.

- Sizes 1½" and 2"
- Extended low-flow range and accuracy
- No maintenance
- Accuracy sustained over meter life
- Advanced ultrasonic technology
- MACH 10®)R900™ seamlessly integrates R900® radio for easy installation

Specifications

AWWA C750 compliant

AWWA C700, C701
performance compliant

NSF/ANSI 61 certified

Application

- Cold water measurement of flow in potable, combination potable-and-fire service, and reclaim/secondary water applications.

Maximum operating water pressure

- 175 psi

Operating water temperature range

- +33°F to +122°F (+0.5°C to +50°C)

Options

Sizes

- 1½"
- 2"

Units of measure

- U.S. gallons, Imperial gallons, cubic feet, cubic meters

Meter options

- Potable/fire service (combo or standalone meter service lines)
- Reclaim water

Environmental conditions

- Operating temperature:
+14°F to +149°F (-10°C to +65°C)
- Storage temperature:
-40°F to +158°F (-40°C to +70°C)

Warranty

- Neptune provides a limited warranty with respect to its MACH 10 line of ultrasonic meters for performance, materials, and workmanship.

AMR/AMI Compatibility

- All MACH 10 ultrasonic meters provide ProRead™, E-CODER® 8-digit, and E-CoderPLUS protocols to interface with Neptune and third-party AMR/AMI meter reading systems.

Operating Characteristics

Meter Size	Normal Operating Range @ 100% Accuracy (+/- 1.5%)	Safe Maximum Operating Capacity	Extended Low Flow Accuracy (+/- 3.0%)
1½"	0.80 to 125 U.S. gpm	125 U.S. gpm	0.30 U.S. gpm
2"	1.50 to 160 U.S. gpm	160 U.S. gpm	0.50 U.S. gpm

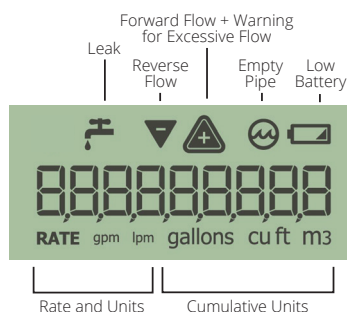
Dimensions

METER SIZE	LENGTH (L)		HEIGHT (H)		FLANGES
	IN	MM	IN	MM	
1½"	10", 13"	254, 330	6 ⁷ / ₃₂	158	OVAL
2"	10", 15.25", 17"	254, 387, 432	6 ¹⁴ / ₃₂	163.5	OVAL

Registration

High Resolution (8-digit reading)		1½"	2"
1	U.S. Gallons	✓	✓
1	Imperial Gallons	✓	✓
0.1	Cubic Feet	✓	✓
0.01	Cubic Meters	✓	✓

LCD DISPLAY



Neptune Technology Group
1600 Alabama Highway 229
Tallahassee, AL 36078
800-633-8754 f 334-283-7293