



METRON Spectrum® HYDRANT

Spectrum® Hydrant

Hydrant meter with daily cellular reading

The Spectrum Hydrant meter provides a flow range suitable for measuring hydrants and other construction service applications. The lightweight, top-loading meter can be fitted for any utility or construction requirements. Combined with a Prism cellular digital register, it uploads water usage data to the cloud, where it can be viewed and analyzed using Metron's WaterScope® platform.

Benefits

- Cellular connection via Verizon Wireless™ network - no special infrastructure needed.
- Web-based reading and billing updated daily, accessed in WaterScope® on the web or in an app.
- No more off-route or "traveling meter" manual readings.
- No monthly or annual cellular charges.
- No waiting for contractor call-ins.

Optional GPS Tracking

Never lose a meter again! The optional GPS tracker collects location coordinates 16x per day. You can view the meter's location history in WaterScope. The GPS tracker's field battery lasts 3+ years.



Spectrum Hydrant features

- Calibratable measuring chamber
- Field-replacable measuring chamber
- Protective register cage
- Lightweight epoxy-coated aluminum body
- For horizontal or vertical installation
- Outstanding long-term accuracy through hydraulic bearing relief
- Compatible with Prism electronic register
- Warranty: 5-year - materials and workmanship

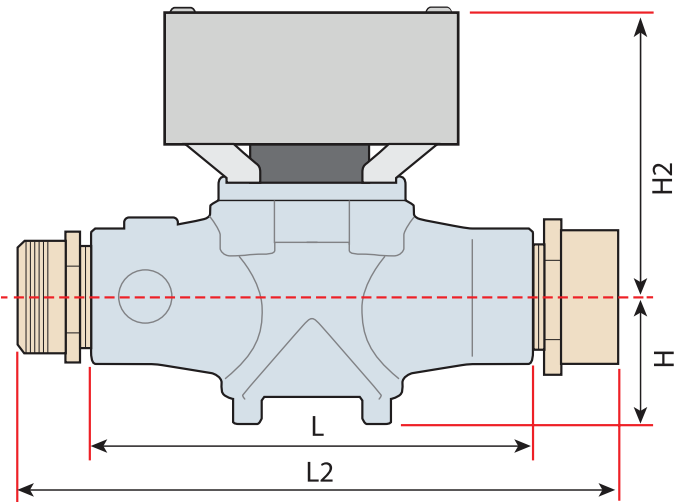
Physical Specifications

- Type: Turbine
- Body: Epoxy-coated aluminum
- Register: Prism
- Dimensions: See figure 1
- Weight: 17 lbs (with fittings)

Functional Specifications

- Fluids measured: Potable cold or reclaimed water
- Flow range: see table 1
- Accuracy: $\pm 1.5\%$, for flow range 2-600 GPM
- Pressure loss: 6 PSI @ 500 GPM
- Max operating temperature: 140°F (60°C)
- Nominal pressure: 232 PSI (16 bar)
- Standard: AWWA C701 Class II

Figure 1: Spectrum Hydrant meter dimensions



Nominal Thread Diameter		2.5	in.
Overall Length (no couplings)	L	11.8	in.
Overall Length (w/couplings)	L2	15.7	in.
Overall Height		13	in.
Bottom-Centerline Height	H	3.37	in.
Top-Centerline Height	H2	5.5	in.
Width		6.7	in.
Weight		17	lbs

Table 1: Flow specifications and curves

Model	Size	Minimum Flowrate ¹ (95% - 101.5%)	Normal Operating Range (98.5% - 101.5%)	Maximum Continuous Duty ²	Max Intermittent Flow ³	Head Loss & Max Continuous Flow
Voyager	3"	2.0 gpm	3.5 500 gpm	500 gpm	800 gpm	6.0 psi

All flow specifications assume typical, consistent system pressure conditions. Adverse pressure conditions will affect the performance of the meters.

1 Minimum Flowrate: This flow is applicable for both horizontal and vertical alignment.

2 Max Continuous flow: Defined as the flow rate which can be maintained 24 hrs/day for 7 days/week.

3 Max Intermittent flow: Defined as the flow rate which can be sustained for approx. 1 hour per day average.

Learn more on our website: metron-us.com

Call 303.449.8833 to speak to a member of our sales team, or email us at: hello@metronfarnier.com

