

HYDRA

The HYDRA is a convenient, hand-held, syringe-style meter for quick and accurate measurement of conductivity, pH and temperature of the water from your treatment system. The HYDRA is the only meter you need for your water system, as it measures

pH, temperature, and conductivity in a variety of different scales (uS or mS, ppm or ppt, or MegOhms). Calibration of the HYDRA is quick and easy with just the push of a button. The easy to read digital display can read all three parameters simultaneously. The HYDRA quickly gives you the confidence that your water treatment system is working correctly.

WATER QUALITY INSTRUMENT



- Multi-parameter design does the job of five instruments
- Simultaneous display of pH, temperature and conductivity measurements from a single sample
- Hold feature maintains reading on the display for easy recording
- Auto-ranging feature rapidly selects proper conductivity range
- Automatic temperature compensation
- Hold feature maintains reading on the display for easy recording
- FDA 510(k) acceptance for use in medical applications

Convenience

The HYDRA can read pH, temperature and conductivity simultaneously so there is no need for separate instruments. The integrated syringe design enables easy sampling either from a sample port or from a container. The hold button function freezes readings on the display for easy charting. The HYDRA automatically selects the proper range for the solution being measured and compensates for temperature. Choose any of three methods for conductivity readings: uS or MS, ppm or ppt, or MegOhms. The HYDRA is the fastest and most convenient water quality measurement system available today.

HYDRA Water Quality Meter

Technical Specifications

	Range	Resolution	Accuracy	Auto Temp Comp
Conductivity	0.2 to 19.9 μ S 20 to 199 μ S 0.20 to 1.99 mS 2.0 to 19.9 mS	0.1 μ S 1 μ S 0.01 mS 0.1 mS	20 to 40°C: \pm 1.5% FS < 20 or > 40°C: \pm 2.5% FS	20 to 40°C
TDS	0.8 to 99.9 ppm 100 to 999 ppm 1.00 to 9.99 ppt	0.1 ppm 1 ppm 0.01 ppt	20 to 40°C: \pm 1.5% FS < 20 or > 40°C: \pm 2.5% FS	20 to 40°C
Resistivity	0.05 to 0.99 M Ω 1.0 to 3.0 M Ω	0.01 M Ω 0.1 M Ω	20 to 40°C: \pm 1.5% FS < 20 or > 40°C: \pm 2.5% FS	20 to 40°C
pH	2.0 to 12.0 pH units	0.1 pH units	\pm 0.1 pH units	20 to 40°C
Temperature	10 to 90°C	0.1°C	< 40°C: \pm 0.5°C > 40°C: \pm 1°C	N/A

Physical Specifications

Dimensions	Weight	Power	Battery Type
H 10.0" x W 2.5" x D 1.0" (25 x 6.25 x 2.5 cm)	7.57 oz (215 g)	Battery	522 9V Alkaline

HYDRA Ordering Guide

Catalog #	Description	Includes
08-0001	HYDRA Water Quality Instrument	1 ea, HYDRA Meter w/ control syringe Sample collection cup 6" Sampling tube Calibration labels
08-0002	HYDRA Acute Pack	1 ea, HYDRA Meter 14.0 mS Std. solution, 16 oz 7.00 pH Buffer solution, 16 oz Medium Cordura carrying case
08-0003	HYDRA Pro Pack	1 ea, HYDRA Meter 150 μ S, 1 mS, 14.0 mS Std. solutions, 16 oz 4.00, 7.00, 10.00 pH Buffer solutions, 16 oz Spare control syringe Large Cordura carrying case
08-0004	HYDRA Accessory Pack	150 μ S, 1 mS, 14.0 mS Std. solutions, 16 oz 4.00, 7.00, 10.00 pH Buffer solutions, 16 oz Spare control syringe

For a complete list of HYDRA accessories, please see our HYDRA Parts and Accessories List.



Control Syringe

HYDRA large carrying case



Sampling Tube