

## Stick Conductivity Meter with 4-ring Technology and ATC



The need for an easy, accurate and reliable method to measure conductivity and TDS prompted HANNA instruments<sup>®</sup> to develop *Conmet*<sup>®</sup>1, *Conmet*<sup>®</sup>2 and *Conmet*<sup>®</sup>3. These meters utilize the proven 4-ring potentiometric method of measuring conductivity in liquids. The 4-ring probe is constructed of a rugged resin shaft that houses 4 stainless steel rings, providing excellent immunity to hostile environments. The 4-ring technology provides a reading that is almost immune to dirt and unclean samples. The smooth shaft of the probe makes eventual cleaning quick and simple. All the readings are temperature compensated. 1 point calibration is performed by turning the trimmer on the instrument body.

*Conmet*<sup>®</sup>1 has a range of 0 to 1999  $\mu\text{S}/\text{cm}$ , designed for areas such as softeners, demineralizers, and drinking water. *Conmet*<sup>®</sup>2 has a range of 0.00 to 19.99 mS/cm and is particularly suitable for waste water, hydroponics and fertilizer control. *Conmet*<sup>®</sup>3 with a range of 0.00 a 19.99 ppt is perfect for HVAC applications.



### Specifications

	HI 98305 ( <i>Conmet</i> <sup>®</sup> 1)	HI 98306 ( <i>Conmet</i> <sup>®</sup> 2)	HI 98307 ( <i>Conmet</i> <sup>®</sup> 3)
Range	0 to 1999 $\mu\text{S}/\text{cm}$	0.00 to 19.99 mS/cm	0.00 to 19.99 ppt (g/l)
Resolution	1 $\mu\text{S}/\text{cm}$	0.01 mS/cm	0.01 ppt (g/l)
Accuracy (@20°C/68°F)	±2% F.S.		
Calibration	manual, 1 point		
Temperature Compensation	automatic, 0 to 50°C with $\beta=1.9\pm0.15\%/^{\circ}\text{C}$ , with reference temperature 25°C		
Probe	HI 3291 (included)	HI 3292 (included)	HI 3292 (included)
Battery Type / Life	4 x 1.5V AA / approx. 150 hours of continuous use		
Environment	0 to 50°C (32 to 122°F); RH max 95%		
Dimensions	265 x 29 x 15 mm (10.4 x 1.1 x 0.6")		
Weight	400 g (0.88 lb.) - with carrying case		

### Ordering Information

HI 98305 (*Conmet*<sup>®</sup> 1) is supplied with HI 3291 probe, 1413  $\mu\text{S}/\text{cm}$  solution (120 mL), screwdriver, batteries, hard carrying case and instructions.

HI 98306 (*Conmet*<sup>®</sup> 2) is supplied with HI 3292 probe, 12880  $\mu\text{S}/\text{cm}$  solution (120 mL), screwdriver, batteries, hard carrying case and instructions.

HI 98307 (*Conmet*<sup>®</sup> 3) is supplied with HI 3292 probe, 12.41 ppt solution (120 mL), screwdriver, batteries, hard carrying case and instructions.

### Accessories

HI 3291	Spare probe for <i>Conmet</i> <sup>®</sup> 1	HI 70031P	1413 $\mu\text{S}/\text{cm}$ calibration solution, 20 mL sachet, 25 pcs.
HI 3292	Spare probe for <i>Conmet</i> <sup>®</sup> 2 and <i>Conmet</i> <sup>®</sup> 3	HI 7031M	1413 $\mu\text{S}/\text{cm}$ calibration solution, 230 mL bottle
HI 70030P	12880 $\mu\text{S}/\text{cm}$ calibration solution, 20 mL sachet, 25 pcs.	HI 7036M	12.41 ppt calibration solution, 230 mL bottle
HI 7030M	12880 $\mu\text{S}/\text{cm}$ calibration solution, 230 mL bottle		

For a complete range of calibration, cleaning and maintenance solutions, see section F.