

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



Specifications

| | HI 98305 (<i>Conmet</i> [®] 1) | HI 98306 (<i>Conmet</i> [®] 2) | HI 98307 (<i>Conmet</i> [®] 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*[®] 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*[®] 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*[®] 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> [®] 1 | HI 70031P | 1413 $\mu\text{S}/\text{cm}$ calibration solution, 20 mL sachet, 25 pcs. |
| HI 3292 | Spare probe for <i>Conmet</i> [®] 2 and <i>Conmet</i> [®] 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.