
EC Range	0.00 to 29.99 $\mu\text{S/cm}$, 30.0 to 299.9 $\mu\text{S/cm}$, 300 to 2999 $\mu\text{S/cm}$, 3.00 to 29.99 mS/cm , 30.0 to 200.0 mS/cm , up to 500.0 mS/cm (absolute EC)**
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EC Resolution	0.01 $\mu\text{S/cm}$, 0.1 $\mu\text{S/cm}$, 1 $\mu\text{S/cm}$, 0.01 mS/cm , 0.1 mS/cm
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EC Accuracy (@25°C/77°F)	$\pm 1\%$ of reading ($\pm 0.05 \mu\text{S/cm}$ or 1 digit, whichever is greater)
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EC Calibration	1 point offset calibration (0.00 $\mu\text{S/cm}$ in air), 1 point slope calibration in EC standard 84 $\mu\text{S/cm}$, 1413 $\mu\text{S/cm}$, 5.00 mS/cm , 12.88 mS/cm , 80.0 mS/cm and 111.8 mS/cm
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TDS Specifications

TDS Range	0.00 to 14.99 ppm (mg/L), 15.0 to 149.9 ppm (mg/L), 150 to 1499 ppm (mg/L), 1.50 to 14.99 g/L, 15.0 to 100.0 g/L, up to 400.0 g/L (absolute TDS)**
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TDS Resolution	0.01 ppm, 0.1 ppm, 1 ppm, 0.01 g/L, 0.1 g/L
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TDS Accuracy (@25°C/77°F)	$\pm 1\%$ of reading ($\pm 0.03 \text{ ppm}$ or 1 digit, whichever is greater)
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TDS Calibration	through EC calibration
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TDS Conversion Factor	0.40 to 0.80 (default value is 0.50)
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Salinity Specifications

Salinity Range	0.0 to 400.0% NaCl, 2.00 to 42.00 PSU, 0.0 to 80.0 g/L*
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Salinity Resolution	0.1% NaCl, 0.01 PSU, 0.01 g/L
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Salinity Accuracy (@25°C/77°F)	$\pm 1\%$ of reading
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Temperature Specifications

Temperature Range	-20.0 to 120.0 °C, -4.0 to 248.0 °F
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Temperature Resolution	0.1 °C, 0.1 °F
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Temperature Accuracy	$\pm 0.5 \text{ °C}$, $\pm 0.9 \text{ °F}$
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°C/°F	Yes
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Additional Specifications

EC/TDS/Salinity Temperature Compensation	Automatic -5 to 100° C (23 to 212° F) NoTC - can be selected to measure absolute conductivity.
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Conductivity Temperature Coefficient	0.00 to 6.00% / °C
GLP	Yes
Logging	up to 1000 (400 for basic mode) records organized in: manual log-on-demand (max. 200 logs), manual log-on-stability* (max. 200 logs), interval logging† (max. 600 samples; 100 lots)
Connectivity	1 micro USB port for charging and PC connectivity, 1 USB port for storage
Environment	0 to 50°C (32 to 122°F), RH max 95% non-condensing
Battery Type/Life	Built-in rechargeable battery with up to 8 hours of continuous use
Power Supply	5 VDC adapter (included)
Dimensions	202 x 140 x 12.7mm (8" x 5.5" x 0.5")
Weight	250 g (8.82 oz)
Ordering Information	edge®EC HI2003 includes: HI763100 Conductivity probe, 1413 µS/cm conductivity standard sachets (3), 12880 µS/cm conductivity standard sachets (3), benchtop docking station with electrode holder, wall-mount cradle, USB cable 5 VDC power adapter, quality certificate and instruction manual.

* Not available in basic mode

Notes

** with temperature compensation function disabled