

## COND306.0 HANDHELD CONDUCTIVITY METER

COND306.0 is a light instrument with a large LCD display and removable probe. On referring to cell constant 2 or 4 rings type it can measure: conductivity, resistivity of liquids, total dissolved solids (TDS). Temperature measured by RTD100 or RTD1000 sensor by immersion, penetration or contact. Calibration performed on three or four points with buffer solutions reference to 147 mS / cm, 1413 mS / cm, 12880 mS / cm or 11180 mS / cm . The temperature probes is provided with autodetection cable module with stored factory calibration. Calculation of: Maximum, Minimum and Average. Further functions: relative measurement REL, Auto-HOLD function, Automatic turning off. IP67 protection.



## DESCRIPTION

Combined Conductivity-Thermometer cells in to probe with plug cable. Full supplied with carrying case, instruction manual, and batteries.

Electrodes, calibration solutions and temperature probes with automatic detection module, to be ordered separately for replacement and maintenance.

## TECHNICAL SPECIFICATIONS

Dimensions WxDxH:	140x88x38 mm
Weight:	160g (with batteries)
Materials:	ABS
Display:	2x41 / 2 digits plus symbols Visible area: 52x42mm
Temperature /% U.R op:	-5 ... 50 ° C, 0 ... 90% RH without condensation
Protection:	IP67
Power supply:	3x 1.5V type AA batteries Autonomy 200 hours with 1800mAh alkaline batteries
Current consumption:	instrument switched off: <20microA
Connections:	Input module for temperature probes 8-pole male DIN45326 PH / mV BNC female
Measuring range conductivity:	0.00 ... 19.99 mS / cm 0.0 ... 199.9 mS / cm 2.0 ... 19.99 mS / cm 20.00 ... 199.9 mS / cm
Cell constant:	K = 0.1 - 0.7 - 1 - 10
Resistivity:	4 ... 199.9 ohm / 0.1 ohm up to 1 ... 10 mOhm + / - 0.5% + / - 1 digit
Total dissolved solids TDS:	X / TDS = 0.5 to 0.0 ... 199.9 mg / l - 20 ... 199.9 g / l + / - 0.5 + / - 1 dgt
Range ° C:	RTD 100 -50 ... +200 ° C (0.1 dgt) + / - 0.25 ° C
Drift after one year:	0.1 ° C / year
Temp compensation. Auto / Manual:	0 ... 100 ° C - 0.00 ... 4% / ° C
Temp reference:	20°C or 25°C
Conversion Factor X / TDS	0.4...0.8
Batteries:	3x 1.5 Volt AA alkaline
Autonomy:	200 hours with alkaline batteries 1800 mAh
Std calibration solutions:	147 mS / cm - 1413 mS / cm - 12880 mS / cm - 111800 mS / cm
Conductivity probes:	combined with temperature sensor SP06T K = 0.7, 0 ... 90 ° C, 4 electrodes, POCAN plastic body, max 5 bar, range 5mS ... 200mS SPT01G K = 0.1, 0 ... 80 ° C, 2 PT electrodes, glass body, max 5 bar range 0.1 ... 500 mS SPT.1G K = 1, 0 ... 80 ° C, 2 dl PT electrodes, glass body, max 5 bar, range 10microS... 10mS SPPT 10G K = 10, 0 ... 80 ° C, 2 PT electrodes, glass body, max 5 bar, range 500microS...200mS



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