

C3040 • C3041 pH - mV - Ion - Conductivity - Resistivity - Salinity - TDS - Dissolved oxygen - Air pressure - Temperature



pH: -2...+16 pH
mV: ±2000 mV
Ion: 0.01 ng/l...100 g/l
Conductivity: 0...2000 mS/cm
Resistivity: 0...200 MΩ.cm
Salinity: 0.0...70.0
TDS: 0...100 g/l
Dissolved oxygen: 0...60 mg/l
 0...600%
Air pressure: 600...1300 hPa
Temperature: -5...+105°C

**Six independent channels
for all measurements !
(conductivity: only 2 channels)**

- pH**
 Multi-point (1...5) calibration for more linearity.
 Selectable resolution from 0.001 pH to 0.1 pH.
 Automatic calibration with any of eleven pre-programmed and five user specified pH buffers. *Create your own buffer/temperature tables!*
 Accepts pH electrodes with any zero point (E₀) between ±999 mV.
- mV**
 Features mV calibration for accurate ORP measurements.
 Selectable resolution from 0.1 mV to 1 mV.
- Ion**
 Direct concentration measurement.
 Multi-point (2...5) calibration and an additional blank correction for measuring low concentrations.
- Conductivity**
 Multi-point (1...3) calibration for more linearity.
 An electrode with a typical cell constant of 1 cm⁻¹ (standard) permits to measure from 0.01 μS/cm to 200 mS/cm in five ranges.
 An electrode with a typical cell constant of 0.1 cm⁻¹ permits to measure from 0.001 μS/cm to 20 mS/cm in five ranges.
 An electrode with a typical cell constant of 10 cm⁻¹ permits to measure from 0.1 μS/cm to 2000 mS/cm in five ranges.
 Automatically selects correct range and frequency.
 Selectable reference temperature: 20° or 25°C.
 Automatic calibration with any of three preprogrammed and three user specified standard solutions. *Create your own standard/temperature tables!*
 Allows to lock the initial conductivity range to avoid non-linear titration curves.
 Accurate low conductivity measurements by eliminating the capacitive component of the electrode and its cable (avoid the use of long cables!).
- Dissolved oxygen**
 Operates with a galvanic dissolved oxygen electrode requiring no polarisation time and no zero calibration.
 Selectable resolution from 0.01 mg/l (0.1%) to 0.1 mg/l (1%).
 Automatic air pressure compensation 600-1300 hPa.
- Temperature**
 Reads temperatures with 0.1°C resolution.
 Manual or automatic temperature compensation (O₂: 0...50°C).
 Calibrates temperature probe for quality measurements.



CODE	DESCRIPTION
C3040	Meter only (USB version) + USB cable + mains adaptor
C3041	Meter only (Ethernet version) + mains adaptor
SH300	Flexible electrode holder (optional)
A4800	Wall mounting kit (optional)
A4049	Car adaptor, 12 V (optional)

→ Add a S-sign for US plug versions, e.g.: C3040S, → Add a U-sign for UK plug versions, e.g.: C3040U