

sensION™+ EC7
Benchtop Conductivity Meter

Electrochemistry



Complete Simplicity
Hach sensION+, an all-in-one system with guided menu navigation makes general electrochemistry testing fast and simple. Each system is designed to be used in a wide variety of applications and comes complete with everything you need to start testing.

Features and Benefits

- **sensION™+ EC7** provides customers with ease of use and high quality measurements at a competitive price.
- Supplied with magnetic stirrer, calibration flasks and conductivity standard solutions.
- Calibration with 1, 2 or 3 standards with independent cell constants.
- Warning messages for calibration.
- Other features: salinity measurement (NaCl), and selectable reference temperature (RT), salinity (NaCl), resistivity measurements and selectable reference temperature (RT).
- Measurements by stability or continuous. Programmable calibration validity.

Recommended Cell

Conductivity cell

- With 8 contact telephone connector.
- Include temperature sensor Pt 1000.

LZW5070.97.0002, 50 70, Universal. For general aqueous samples.

Includes 3 platinum electrodes, 2 pole cell, $C \approx 0.7 \text{ cm}^{-1}$.

EC 0.2-200.000 $\mu\text{S/cm}$, Temp. -30°C (-22°F) to 85°C (185°F).



50 70



Be Right™

Specifications

Measured Parameters (resolution depending on scale)

Conductivity	0.01 μ S to 500* mS/cm (*measuring with 5070 cell the conductivity range is 0.01 μ S/cm to 200 mS/cm.)
Resistivity	0 Ohm to 500 MOhm
Salinity	5.85 mg/L-311.1 g/L NaCl
Temperature	-20.0 to 150.0°C to 150.0°C (-4.0 to 302.0 °F)

	Input Accuracy	Reproducibility
	(± 1 digit)	(± 1 digit)
Conductivity	$\leq 0.5\%$	$\pm 0.1\%$
Resistivity	$\leq 0.5\%$	$\pm 0.1\%$
Salinity	$\leq 0.5\%$	$\pm 0.1\%$
Temperature	≤ 0.2	$\pm 0.1^\circ\text{C}$

Automatic Temperature Compensation

TC, (temperature coefficient): Linear 0.00 to 9.99 % / °C.

TR (reference temperature): 20°C or 25°C.

Conductivity Calibration

Standards: 147 μ S/cm, 1413 μ S/cm, 12.88 mS/cm and 111.8 mS/cm (values at 25°C).

With 1, 2 or 3 standards selectable inside the range.

Manual introduction of cell constant.

Programmable calibration validity from 0 to 99 days.

Languages

English, German, Spanish, French, Italian and Portuguese.

Display

Graphic, backlit liquid crystal, 128x64 dots.

Connectable Sensors

Conductivity cell with Pt 1000 probe or NTC 10 KOhm. telephone connector.

Connectable Peripherals

Magnetic stirrer.

Directives Low Voltage and EMC

According to 2004/95/EC. According to 2004/108/EC.

Power Supply

External power supply 100-240 V, 0.4 A, 47-63 Hz with plug adapters.

Materials

Enclosure, ABS and PC. Keypad, PET.

Physical Parameters

Weight: 1100 g. Size: 350 x 200 x 110 mm.

How To Order

LPV3010.97.0002 Conductivity SensION+ EC7 with accessories.

LPV3070.97.0002 Kit: Conductivity SensION+ EC7, accessories and conductivity cell **5070**.

Included Accessories

- Magnetic stirrer
- Calibration flasks with magnetic stirring bar
- Sensor holder
- User manual
- Solutions: Conductivity standards 147 μ S/cm, 1413 μ S/cm and 12.88 mS/cm

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At Hach, it's about learning from our customers and providing the right answers. It's more than ensuring the quality of water—it's about ensuring the quality of life.

When it comes to the things that touch our lives... Keep it pure.

Make it simple.

Be right.

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