



Large graphic display
Simultaneous display
of all the parameters



Carrying case
with necessary accessories



Features and benefits

Ergonomic and robust conductivity meter, IP67 waterproof; resistant in harsh working conditions.
Conductivity, salinity or TDS and temperature measurement by stability or continuous.

Automatic calibration in 1, 2 or 3 points selected among the range of conductivity standards.
2 ml of standards are enough.

Kit versions are available that include carrying case, accessories and sensor.
Wide range of high quality sensors that cover all types of applications, from low ionic strength to viscous, dirty samples.

The carrying case includes all necessary accessories to ensure accurate measurement.
Instrument can be seated at an angle for convenient viewing of the display; sensor and the calibration flasks are held in an upright position for easy calibration and measurement.

Specifications

Measuring range

Conductivity 0.01 µS/cm to 500 mS/cm
 Salinity 0 - 50 g/l NaCl
 TDS 0 mg/L to 500 g/L
 Temperature -20.0 to 150.0 °C

Measuring error (± 1 digit)

Conductivity <= 0.5 %
 Salinity <= 0.5 %
 TDS <= 0.5 %
 Temperature <= 0.2 °C (0.4 °F)

Reproducibility (± 1 digit)

Conductivity ± 0.1 %
 Salinity ± 0.1 %
 TDS ± 0.1 %
 Temperature ± 0.1 °C (0.1 °F)

Temperature compensation

With built-in Pt1000 temperature sensor.

Temperature coefficient

0.00 a 9.99%/°C. (Factory setting: 2%/°C.)
 Reference temperature: 20 or 25 °C.

TDS conversion factor

0.00 to 4.44 (Factory setting: 0.64).

Measuring mode

Stability and continuous.

Temperature readjustment

Correction of the temperature probe deviation (A.T.C.) at 25°C and 85°C.
 Can be used as thermometer of precision.

Conductivity calibration

With 1, 2 or 3 standards selectable between: 147 µS/cm, 1413 µS/cm, 12.88 mS/cm and 111.8 mS/cm (at 25 °C).
 Manual calibration at any conductivity value within cell range.
 Theoretical calibration (factory settings).

Display

Liquid crystal, backlit, with pictograms.

Physical parameters

Material ABS. Degree of protection IP 67.
 Weight 300 g. Size 186 x 73 x 38 mm.

Connector

MP-5, 5 contacts multipin.

Ambient conditions

Operating temperature: 0 °C to 50 °C.
 Storage temperature: -15 °C to 65 °C.
 80% relative humidity (non-condensing).

Directives low voltage and EMC

According to CE, UNE-EN 61010-1 and UNE-EN 61326-1.

Power supply

3 x 1.5V, type AA batteries. Over 400 hours operation.
 Automatic power off after 5 minutes of inactivity (this option can be disabled by the user).

Recommended conductivity cells

5060, universal.

Platinum electrodes and plastic body.
 With built-in temperature sensor.
 0.2 µS/cm... 200 mS/cm, Temp. 0 ... 85 °C.



5060
Code: LZW5060.97.0002

5062, for difficult media.

titanium electrodes and body.
 With built-in temperature sensor.
 5 µS/cm... 50 mS/cm, Temp. 0 ... 85 °C.



5062
Code: LZW5062.97.0002

How to order

Product number	Sample type	Description	Included accessories
LPV3500.98.0002		EC5, with accessories, without probe	
LPV3560.98.0002	Kit for general use	EC5, with accessories and 5060 probe	<ul style="list-style-type: none"> • Carrying case • Standard solutions: 147 µS/cm, 1413 µS/cm, 12.88 mS/cm • Calibration tubes
LPV3562.98.0002	Kit for difficult media	EC5, with accessories and 5062 probe	<ul style="list-style-type: none"> • Flasks for sample and sensor cleaning • User manual

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