

PTM40/Set Lab pH meter



Measurement value: pH -2.00...16.00; -2000...2000 mV; Temperature: -10.0...100.0 °C; ISE 0...30000 ppm

Resolution: 0.01 pH; 1 mV; 1 ppm; 0.1 °C

Temp. compensation: automatic with Pt 1000 or fixed temperature

Accuracy: pH ± 0.01 (± 2 pH units around the calibration point), U [mV] ± 0.3 ; T [°C] ± 0.1 (0...100 °C)

Connections: BNC, 2x banana plug (4 mm), 4-pin interface USB port

Calibration:

Direct input (rise, asymmetry)

Temperature offset

Two-point / Three-point

Automatic (Two-point / Three-point)

Housing:

Material: Aluminum desk housing IP 40/DIN EN 60529

Dimensions: 145 x 185 x 55 mm (W x H x D)

Weight: approx. 750 g (incl. power supply and stand)

Display: graphic LCD display, 128 x 64 pixels, backlight

USB Interface: USB with „Interface HMG USB”, galvanically isolated

Data logger: stores up to 4,000 data sets (date, time, main measured value, secondary measured value, measuring temperature)

Power supply:

By external power supply 5 V DC of 100 - 240 V; 50/60 Hz; power input: 5 Watt

Use only the power supply (Mo. VER05US050-JA; input 100-240 V~; 50/60 Hz;

0.18 A; output 5 V DC; 1 A max.; class II)!

Includes :

PTM40/Set Lab pH meter

Power supply, Tripod

pH Combination Electrode EGA142-K010-U-X

2x 50 ml buffer solution pH 4.01; 6.86 (25 °C)

PLF40/Set conductivity meter



Measurement value: 0...200.0 $\mu\text{S/cm}$; 0...2000 $\mu\text{S/cm}$; 0...20.00 mS/cm ; 0...500.0 mS/cm ;

0...20 $\mu\text{S/cm}$ ZK 0,1; 0...20 $\mu\text{S/cm}$ ZK 0,01; 0...200 $\mu\text{S/cm}$ ZK 0,1; automatic measuring range switching

TDS: 0...200 mg/l ; 0...2000 mg/l ; 0...20 g/l ; 0...500 g/l

Salinität: 0...70 g/kg ; Temperature: -10.0...100.0 $^{\circ}\text{C}$

Resolution: 0.1 μS ; 1 μS ; 0.01 mS ; 0.1 mS ; 0.1 $^{\circ}\text{C}$

Temp. compensation: automatic with NTC or fixed temperature

Accuracy: ± 1 digit, $\pm 0.5\%$ of measuring range, $T [^{\circ}\text{C}] \pm 0.1$ (5...50 $^{\circ}\text{C}$)

Connections: 8-pin flange plug, 4-pin interface USB port

Calibration:

Direct input (cell constant, temperature compensation, cable offset, TDS factor)

Temperature offset

One-point

Automatic

Housing:

Material: Aluminum desk housing IP 40/DIN EN 60529

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Includes :

PLF40/Set Lab conductivity meter

Power supply, Tripod

Conductivity Cell LTC0,35/23-K010-U

50 ml calibration solution 0.1 N KCl (12.9 mS/cm at 25 °C)

Accessories (option):

- Tripod set TMG adapter, rod and electrode holder for PTM40/PLF40
- Power supply TMG extended range power supply for PTM40/PLF40
- Interface HMG USB USB cable with data transfer software for PTM40/PLF40
- Interface TMG Printer USB cable with data transfer to a printer for PTM40/PLF40
- pH Combination Electrode plastic shaft, gel electrolyte, 2 ceramic frits, built-in temperature sensor EGA142-K010-U-X Pt 1000, 1 m fixed cable with 6 pole connector BK, length 120 mm, Ø12 mm, -5...+80 °C
- Conductivity Measuring Cell plastic shaft, sensor material graphite, cell constant 0.33 cm-1 LTC0,35/23-K010-U 4-electrode technology, built-in temperature sensor Pt 1000, 1 m fixed cable with 6 pole connector BK, length 120 mm, Ø 12 mm, -5...+80 °C

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Quality System certified to DIN EN ISO 9001

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