



pH Meter PHT 830

MEASUREMENT OF PH OR REDOX- OR ISE-POTENTIAL AND TEMPERATURE, AUTOMATIC TEMPERATURE COMPENSATION, AUTOMATIC CALIBRATION ROUTINE, DATA LOGGER FOR 4000 DATA SETS, USB INTERFACE, SOFTWARE, MIN-/MAX-VALUE MEMORY, GRAPHIC BACKLIGHTED DISPLAY.

The meter combines the features for mobile application in the field with the precision and comfort of a laboratory meter with plain text structure menu, integrated data logging system and a rugged watertight IP 65 housing. The PHT 830 has an automatic temperature compensation for the pH measuring as well as an adjustable reference temperature with measurements without temperature sensor. For calibration a manual or automatic two point calibration routine can be used. Other possible applications of the device are the measurements of redox (ORP) or ISE-potential relative to the standard hydrogen electrode to DIN 38404. Important GLP functions such as date and time, the main measuring value, 2nd measuring value including the physical units, temperature and device number are recorded in the data file.

The set includes:

1x PHT 830 pH-Meter with case
each 1x Buffer solution pH 4,006, pH 6,865, PH 9,180, KCl-solution

Part-No.: 1340-5812 Set 1 AT 830 K Binder, pH plastic electrode	price: 500,00 €
Part-No.: 1340-5813 Set 2 AT 830 G Binder, pH glass electrode	price: 700,00 €
Part-No.: 1340-5814 Set 3 AT 830 E Binder, pH penetration electrode	price: 700,00 €
Part-No.: 1340-5815 USB Interface	price: 80,00 €

Available as of September 2015th.



Specifications

Measuring range

pH: 0...14; -1999...1999 mV;
Temperature: -10...+100 °C;
ISE: 0...30000 ppm

Resolution

0.01 pH; 1 mV; 0.1 °C

Accuracy

pH: ± 0.03 (± 2 pH-steps)
Temperature: ± 0.1 °C

Temperature compensation

automatic with Pt 1000
or fixed temperature

Display

graphic LCD, 128 x 64 pixel,
backlighted

Interface

USB, isolated

Ambient temperature

-10...+55 °C

Connectors

connector BK for sensor,
4-pole USB interface socket

Housing

ABS, IP 65

Dimensions

200 x 95 x 40 mm (WHD)

Weight

290 g incl. batteries
(3 x AA, IEC R6, LR6, 1.5 V)

EMC

acc. EN 61326 class B

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