



HD 3405.2 BENCH-TOP pH METER

The **HD3405.2** is a 4 bench top instrument for electrochemical measures: **pH**, and **temperature**.

The displayed data can be stored (**datalogger**) and can be transferred to PC or serial printer thanks to the multi-standard serial port RS232C and USB2.0 and software DeltaLog9 (Vers.2.0 and subsequent ones). The storing and printing parameters can be set from menu. The **HD3405.2** measures **pH**, **redox potential** (ORP) in mV. It measures **temperature** with Pt100 or Pt1000 immersion, penetration or contact probes. The pH electrode calibration can be carried out on one, two or three points and the calibration sequence can be chosen from a list of 13 buffers. The display shows continually the temperature in °C or °F and one of the parameters according to the connected probe type. Printing and storage always include the temperature in °C or °F and one selectable parameter for each probe type.

Other functions include: Max, Min and Avg function, the Auto-HOLD function, the automatic turning off which can also be excluded.

The instruments have IP66 protection degree.



Technical characteristics HD3405.2

pH - mV - °C/°F measurement

Instrument

Dimensions (Length x Width x Height)
Weight
Materials
Display

220x120x55mm
460g (complete with batteries)
ABS, rubber
2x4½ characters plus symbols
visible area: 52x42mm

Operating conditions

Working temperature -5 ... 50°C
Storage temperature -25 ... 65°C
Working relative humidity 0 ... 90% RH without condensation
Protection degree IP66

Power

Batteries 3 batteries 1.5V type AA
Autonomy (only batteries) 100 hours with 1800mAh alkaline batteries
Mains (cod. **SWD10**) Output mains adapter 100-240Vac/ 12Vdc-1A

Security of memorized data

Unlimited

Selectable storage interval

1s, 5s, 10s, 15s, 30s, 1min, 2min, 5min, 10min, 15min, 20min, 30min and 1hour

Time

Date and hour Schedule in real time
Accuracy 1min/month max departure

Serial interface RS232C

Type RS232C electrically isolated
Baud rate Can be set from 1200 to 38400 baud
Data bit 8
Parity None
Stop bit 1
Flow Control Xon/Xoff
Serial cable length Max 15m
Selectable print interval immediate or 1s, 5s, 10s, 15s, 30s, 1min, 2min, 5min, 10min, 15min, 20min, 30min and 1hour

USB Interface

Type 1.1 - 2.0 electrically isolated

Connections

Serial interface and USB 8-pole MiniDin connector
Mains adapter (cod. **SWD10**) 2-pole connector (positive at centre) 12Vdc/1A

Storage of measured values

Type 2000 pages of 17 samples each
Quantity 34,000 sets of measures made up of [pH or mV] or and [°C or °F].

Measurement connections

Temperature probe input 8-pole male DIN45326 connector
with SICRAM module or TP47 module female BNC
pH/mV input

