



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

Storage temperature

Working relative humidity

Protection degree

-5 ... 50°C

-25 ... 65°C

0 ... 90% RH without condensation

IP66

Power

Batteries

Autonomy (only batteries)

Mains (cod. **SWD10**)

3 batteries 1.5V type AA

100 hours with 1800mAh alkaline batteries

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

Accuracy

Schedule in real time

1min/month max departure

Serial interface RS232C

Type

RS232C electrically isolated

Can be set from 1200 to 38400 baud

8

None

1

Xon/Xoff

Max 15m

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

Mains adapter (cod. **SWD10**)

8-pole MiniDin connector

2-pole connector (positive at centre) 12Vdc/1A

Storage of measured values

Type

Quantity

2000 pages of 17 samples each

34,000 sets of measures made up of [pH or mV]

or [°C or °F].

Measurement connections

Temperature probe input

with SICRAM module or TP47 module

pH/mV input

8-pole male DIN45326 connector

female BNC

