

pH 50+ DHS

pH - mV - Temperature

pH 60 DHS

pH - mV - Temperature

GLP - USB Data Logger - RS232 Printer



DHS Digital **H**igh **S**ensor
Intelligent Sensors Management

XS *makes pH easy*

DHS Digital High Sensor

Intelligent Sensor Management

Digital High Sensors are the new pH sensors with internal chip that store parameters, date of last calibration, model and production batch of the electrode. In the pH 50+ DHS instruments and DHS pH 60, is inserted a special chip with the same technology. After connecting the pH DHS sensor to the instrument, all the data stored in the sensor chip are automatically transferred to the instrument. The display will show sequentially: DHS, sensor model, production batch, date of the last calibration and slope.

After a new calibration of the DHS electrode, the data is automatically stored in the electrode chip. If we move this electrode to another DHS-enabled instrument, we can start working immediately and with extreme security as the data from the last calibration will automatically be transferred and used for pH measurements.

New DHS pH sensors do not have an internal battery so they can be stored as a normal pH electrode and do not use special connectors but a normal BNC.

Many manufacturers using digital sensors have developed dedicated meters for these sensors. This imposes a full range of digital sensors for a variety of applications or lab requirements. Our research and development team has designed this new line of instruments to work with the new DHS digital sensors and the normal analog pH sensors both, all brands, which can be connected to the same pH meter. From now on, the pH measurement will be simpler.

pH 50+ DHS

pH - mV - Temp



Back panel pH 50+ DHS

An elegant and ergonomic container encloses the best of electronics.

A large backlight display (3 colors for pH 60 DHS) with all measurement information, the calibration buffers, the stability of the measurement, and the state of the electrode.

All the functional parameters of the sensors connected during the measurements or during the calibration are constantly monitored and in case of errors reported to the operator.

Only 4 keys (6 keys for pH 60 DHS) allow you to manage all functions in a simple and intuitive way.

The instrument comes with its 5VDC / 220VAC power adapter.

pH 50+ DHS and pH 60 DHS Display

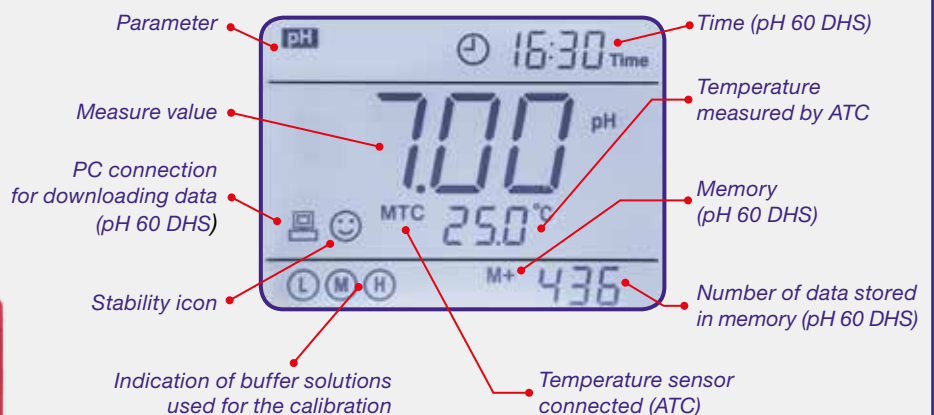
Measure mode



Calibration mode



Alarm



pH 60 DHS

pH - mV - Temp - GLP - USB Data Logger - RS232 Printer



Main features

- Management of analog and digital pH sensors with DHS technology.
- Large backlight display for simultaneous display of pH / mV, temperature, buffer solutions used for calibration and stability of the measurement.
- Selectable resolution: 0,1/0,01 pH.
- Automatic 1 to 3 points calibration between two families of buffers (USA and NIST).
- Manual 2 points calibration with user-defined buffers.
- Setting the Low-Med-High (Stability) parameters for a more accurate or fast measurement.

...only for pH 60 DHS

- GLP
- CAL TIMER: Setting the calibration frequency for a better quality of your measurements.
- Manual and automatic data logger with memory / recall up to 500 measurements with date, time and printing functions.
- USB port for PC connection and Data Link software freely downloadable.
- RS232 port for printer.



Back panel pH 60 DHS



Datasheet

	pH 50 + DHS	pH 60 DHS
pH measuring range	0,00...14,00 pH	-2,00...16,00 pH
Resolution	0,1/0,01 pH	0,1/0,01 pH
Calibration points		1, 2 or 3
Buffers recognized		USA: 1,68 - 4,01 - 7,00 - 10,01 pH NIST: 1,68 - 4,01 - 6,86 - 9,18 pH 2 points defined by the user
Indication of calibration data	Yes (slope)	Yes (slope) with data and time
GLP	—	Yes
Criteria of measurement stability	Yes	Yes
Calibration timer	—	Yes
Indication of calibration points	Yes	Yes
mV measuring range	± 1.000 mV	-1.000 ...+1.900 mV
Resolution	1 mV	0,1 mV (± 200 mV) / 1mV (outside)
Temperature measuring range	0...100,0 °C	-10...110 °C
Resolution / Accuracy		0,1 °C / ± 0,5 °C
Temperature compensation pH		Automatic/manual 0...100 °C
Sistem: GLP	—	Yes
Memory	—	Man/ Auto 500 data with date and ime
Display	Backlight LCD	3 colors Backlight LCD
Input	BNC and RCA / CINCH (CAT)	BNC, RCA / CINCH (CAT), USB (PC), RS232 (printer)
Power supply		5 V DC / 220 V
IP protection		IP 54
Dimensions / weight instrument		160 x 185 x 70 (A) mm / 550 g



PC 62 DHS



COND 61



RS232 Printer

How to order pH 50+ DHS

Code	Description
50001032	pH 50+ DHS complete kit includes pH digital electrode 201T DHS with temperature sensor integrated and BNC, colored buffer solutions pH 7 and pH 4, electrode holder and 5V/220V AC power supply.
50001002	pH 50+ DHS complete kit includes pH electrode 201T with temperature sensor integrated, and BNC, colored buffer solutions pH 7 and pH 4, electrode holder and 5V/220V AC power supply.
50001012	pH 50+ DHS kit without pH electrode , includes cable S7/BNC, temperature probe NT55, colored buffer solutions pH 7 and pH 4, electrode holder and 5V/220V AC power supply.

How to order pH 60 DHS

Code	Description
50001102	pH 60 DHS complete kit includes pH digital electrode 201 T DHS with temperature sensor integrated and BNC, colored buffer solutions. Power supply, USB cable and accessories.
50001092	pH 60 DHS complete kit includes pH electrode 201 T with temperature sensor integrated and BNC, colored buffer solutions. Power supply, USB cable and accessories.
50001112	pH 60 DHS without pH electrode . Complete with cable S7/BNC, temperature probe NT 55, colored buffer solutions. Power supply, USB cable and accessories.



ST 10 stirrer

Accessories and spare parts

	Code	Description	
	32200103	Digital pH electrode mod 201 T DHS with integrated temperature sensor for pH 50+ DHS and pH 60 DHS, cable lenght 1 m and BNC	BNC/RCA-Cinch
	32200123	Digital pH electrode Standard T - BNC DHS glass body, cable fix, pH 0...14, Temp -10...100°C, filling KCl 3M, integrated temperature sensor for general application	BNC/RCA-Cinch
	50002002	pH electrode mod 201 T with integrated temperature sensor for pH 50+ DHS and pH 60 DHS, cable lenght 1 m and BNC	BNC/RCA-Cinch
	32105302	Redox electrode for pH 50+ DHS and pH 60 DHS, cable lenght 1 m and BNC	BNC
	32200473	Standard T-BNC pH electrode with temperature sensor integrated for pH 50+ DHS and pH 60 DHS	BNC/RCA-Cinch
	50001502	RS232 printer normal paper for pH 60 DHS, with RS232 cable and power supply	
	50000132	ST 10 magnetic stirrer adjustable speed with rechargeable batteries and power supply	
	50002012	NT 55 temperature probe for pH 50+ DHS and pH 60 DHS	RCA-Cinch
	50011052	Power supply 5V/ 220V AC for pH 50+ DHS and pH 60 DHS	
	50000112	Electrode holder with flexible arm and base	
	33551733	Cable S7 and BNC plug, diameter 3 mm, lenght 1 m	BNC

DISTRIBUTED BY:



GUARANTEED BY:

GIORGIO BORMAC s.r.l.

