Portable meters

WARRANTY 5 YEARS

IP57 WATERPROOF

CE

pH 7+ DHS

pH - mV/ORP - Temperature

pH 70+ DHS

pH - mV/ORP - Temperature - GLP - USB Data Logger

Power supply and battery

DHS Digital High Sensor

Intelligent Sensors Management

XS makes pH easy

MADE IN ITALY

DHS Digital High Sensor

Intelligent sensors 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 instruments pH7+ DHS and pH 70+ DHS, 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 7+ DHS

pH - mV/ORP - Temperature

pH 70+ DHS

pH - mV/ORP - Temperature
GLP - USB Data Logger

An elegant and ergonomic container encloses the best of electronics.
A large 3-color backlight display for pH 70+ DHS with all measurement informations, calibration solutions, measurement stability, and electrode status.
All the functional parameters of the sensor 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 70+ DHS) allows to manage all functions in a simple and intuitive way.

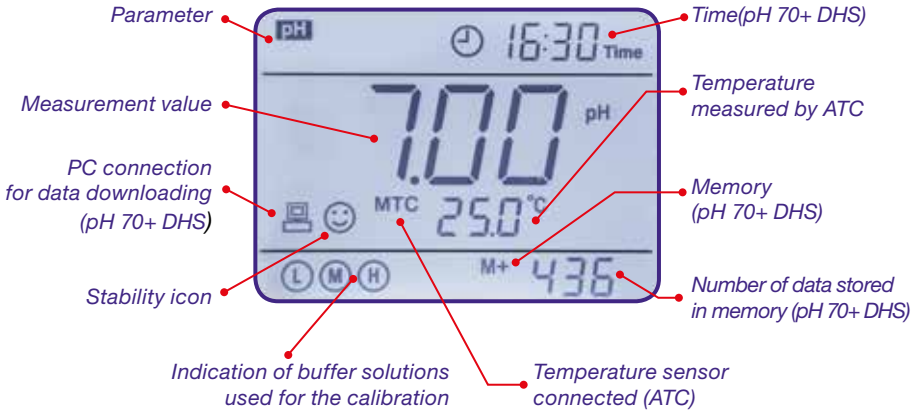
pH 70+ DHS FOOD

pH 7+ DHS and pH 70+ DHS Display

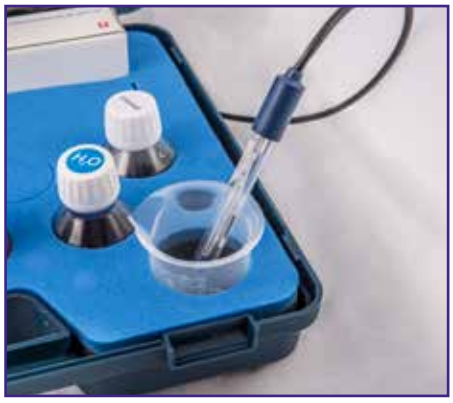
Measure mode

Calibration mode

Alarm



Complete carrying case with accessories, useful for use as a portable laboratory



Sample housed in the suitcase to avoid accidental overturning

Support for desk use (optional)

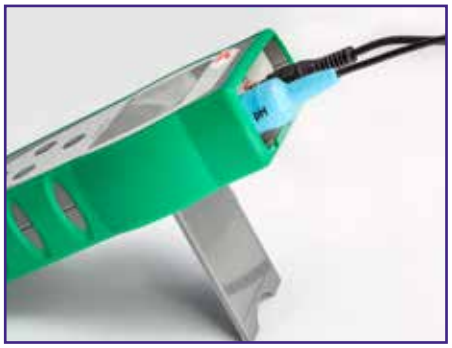
Main features

- Management of analog and digital pH sensors with DHS technology.
- Wide display for simultaneous display of pH/mV and temperature, buffer solutions used in calibration and measurement stability.
- Selectable resolution: 0,1/0,01 pH.
- Automatic 1 to 3 points calibration between two families of buffer solutions (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 on pH 70+ 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 and time.
- USB output for data download and power supply, via PC or main power supply supplied as standard.
- Software DataLink 70 for PC data management freely down loadable

pH 7+ DHS FOOD



PC connection with USB cable

USB output for data and power supply via PC or mains power supply supplied as standard (pH 70+ DHS)

Datasheet	pH 7+ DHS	pH 70+ 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 o 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 date 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	0,1 °C / ± 0,5 °C
Temperature compensation	Automatic / manual 0…100 °C	
System: GLP	—	Yes
Memory	—	Man/ Auto 500 data with date and time
Auto power off	After 20 minutes	
Display	LCD (Liquid Crystal Display)	3 colors Backlight LCD
Input	BNC and RCA / CINCH (CAT)	BNC, RCA / CINCH (CAT) and USB
Power supply	3 x 1,5V batteries AA	3 x 1,5V batteries AA Power adapter AC/DC with USB cable
Battery life	> 500 hours	
IP protection	Waterproof IP 57	
Dimension / instrument weight	86 x 196 x 33 mm / 295 g	86 x 196 x 33 mm / 300 g
Dimension / carrying case weight	385 x 300 x 115 mm / 1720 g	385 x 300 x 115 mm / 1725 g

Conductivity
COND 7+ - COND 70+

Multiparameter
PC 7+ DHS - PC 70+ DHS

How to order pH 7+ DHS - pH 70+ DHS

Code	Description
50010072	**pH 7+ DHS complete kit** includes **digital pH electrode 201 T DHS** with temperature sensor integrated, BNC plug, colored buffer solutions, carrying case and accessories.
50010012	**pH 7+ DHS complete kit** includes **pH electrode 201 T** with temperature sensor integrated, BNC plug, colored buffer solutions, carrying case and accessories.
50010022	**pH 7+ DHS without electrode**. In carrying case complete of S7 / BNC cable, NT 55 temperature probe, colored buffer solutions and accessories
50010182	**pH 70+ DHS complete kit** includes **digital pH electrode 201 T DHS** with temperature sensor integrated, BNC plug, colored buffer solutions. Power supply, USB cable and carrying case with accessories.
50010112	**pH 70+ DHS complete kit** includes **pH electrode 201 T** with temperature sensor integrated, BNC plug, colored buffer solutions. Power supply, USB cable and carrying case with accessories.
50010122	**pH 70+ DHS without electrode**. In carrying case complete of S7 / BNC cable, NT 55 temperature probe, colored buffer solutions. Power supply, USB cable and accessories.
50010082	**pH 7+ DHS FOOD complete kit** includes **digital pH electrode 2 Pore T DHS** with temperature sensor integrated, BNC plug, colored buffer solutions, carrying case and accessories.
50010032	**pH 7+ DHS FOOD complete kit** includes **pH electrode 2 Pore T** with temperature sensor integrated, BNC plug, colored buffer solutions, carrying case and accessories.
50010192	**pH 70+ DHS FOOD complete kit** includes **digital pH electrode 2 Pore T DHS** with temperature sensor integrated, BNC plug, colored buffer solutions. Power supply, USB cable and carrying case with accessories.
50010162	**pH 70+ DHS FOOD complete kit** includes **pH electrode 2 Pore T** with temperature sensor integrated, BNC plug, colored buffer solutions. Power supply, USB cable and carrying case with accessories.

Certificated buffer solutions

Accessories and spare parts

	Code	Description	
	32200103	**Digital pH electrode mod 201 T DHS** with integrated temperature sensor for pH 7+ DHS and pH 70+DHS, cable lenght 1 m and BNC	BNC/RCA-Cinch 
	50002002	**pH electrode mod 201 T** with integrated temperature sensor for pH 7+ DHS and pH 70+DHS, cable lenght 1 m and BNC	BNC/RCA-Cinch 
	50002022	**pH electrode mod 201 T/5** with integrated temperature sensor for pH 7+ DHS and pH 70+DHS, cable lenght **5 m** and BNC	BNC/RCA-Cinch 
	32105302	**Redox electrode** for pH 7+ DHS and pH 70+DHS, cable lenght 1 m and BNC	BNC 
	32105102	**Redox electrode/5** forpH 7+ DHS and pH 70+DHS, cable lenght **5 m** and BNC	BNC 
	32200323	**2 Pore T** pH electrode, with temperature sensor, fixed cable BNC plug. Glass body. Dimensions (LxØ) mm 35 x 6. Polymer filling, maintenance-free. 6mm tip, for meat, cheeses, and penetration measures	BNC/RCA-Cinch 
	32200113	**2 Pore T DHS Digital** pH electrode, with temperature sensor, fixed cable BNC plug. Glass body. Dimensions (LxØ) mm 35 x 6. Polymer filling, maintenance-free. 6mm tip, for meat, cheeses, and penetration measures	BNC/RCA-Cinch 
	50002012	**NT 55** temperature probe for pH 7+ DHS and pH 70+DHS	RCA-Cinch 
	50010172	**Power adapter** and USB cable for pH 70+DHS	
	50000112	**Electrode holder** with flexible arm and base	

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