

MULTIPARAMETRICS

pH-METER, CONDUCTIMETER, TDS, °C - MULTIPARAMETRIC PORTABLE. Models PC 7+ DHS and PC 70+DHS

Ergonomic model. Supplied in case with electrode and solutions. Equipped with rubber protective cover and a large LCD display showing all data simultaneously.

pH - mV/ORP - COND - TDS -Temperature for the model PC 7+. GLP - Data Logger -USB additional for the model PC 70. 5 years warranty



Specifications	Model PC 7	Model PC 70
Range pH	0,00 to14,00pH	-2 to16,00pH
Resolution	0,1 / 0,01pH	0,1 / 0,01pH
Calibration points	1, 2 or 3	
Reconigzed bufferes	USA: 1,68-4,01-7,00-10,01 NIST: 1,68-4,01-6,86-9,18pH 1 user-defined value	
Indication of slope and asymmetry potential	YES	YES with date and hour
GLP Function	-	YES
Indication as stable measure	YES	
Timer calibration	-	YES
Indication of buffer calibration	YES	YES
Range of mV	± 1.000mv	± 1.999mv
Resolution	1mV	0,1mV (±200mV) / 1mV
Range COND	0,0 to199,9mS	
Resolution	0,01/0,1/1µS 0,01/0.1mS	
Calibration points	1...4	
Recognized standards	84µS – 1413µS – 12,88mS – 111,9mS 1 user-defined value	
Cell constant selecable	0,1 - 1 - 10cm ⁻¹	
Reference temperature	15 to 30°C	
GLP function	-	YES
Calibration timer	NO	YES
Indication of standard used	YES	
TDS range	0 to100g/l	
Resolution	-	1% f. e.
TDS factor	0,4 to1,0	
Salinity	NO	0 to 50 ppt
Temperature	0 to100,0°C	-10 to110°C
Resolution / Accuracy	0,1°C / ± 0,5°C	
Compensation of temperature pH	Automatic / manual 0 to100°C	
Compensation of temperature conductivity	Automatic / manual 0 to 80°C	Automatic / manual 0 to 100°C
GLP system	NO	YES, Data Link
Data Loger	NO	Man / Auto 500 dates with date and hour
Auto-shutdown	After 20 minutes	
Display	LCD	LCD back-light, 3 colors
Input	2xBNC and Tem Cinch	2xBNC, Temp Cinch and USB(PC)
Power	3 batteries 1.5V AA	3 batteries 1.5V AA Power pack AC/DC with cable USB
Autonomy	>300 hour	
Protection IP	Anti moisture IP 57	
Size / weight of instrument	86 x196 x 33mm / 295g	86 x196 x 33mm / 300g
Size / weight with suitcase	385 x 300 x 115mm / 1720g	385 x 300 x 115mm / 1725g

Code	Article
4.0111.00*	Multiparametric portable PC 7, suitcase, dissolutions, ph electrode and conductivity cell with CAT in both, cable 1m BNC
4.0111.01*	Multiparametric portable PC 7, with suitcase, dissolutions, cell /CAT, without pH electrode
4.0105.00*	Multiparametric portable PC 70, with suitcase, dissolutions, ph electrode and conductivity cell with CAT in both, cable 1m BNC
4.0105.01*	Multiparametric portable PC 70, with suitcase, dissolutions, cell/CAT, without ph electrode
4.0100.30*	Electrode, pH, epoxi with temperature sensor CAT NTC30, 0 to 60°C cable 1m BNC
4.0104.02*	Cell K=1 (10µS to 200mS) plastic with temperature sensor 0 to 80°C, 1m cable
4.0104.07*	Cell K=0,1 (0,1µS to 1mS) epoxy/st.st. ,temperature sensor CATNTC30K, 0 to 80°C, 1m cable BNC

BENCH-TOP MULTIPARAMETRIC MODEL 52 pH / mV / Conductivity / °C

- ◆Microprocessor ◆Automatic and manual calibration ◆ Custom configuration ◆ Automatic and manual calibration with Automatic knowledge of 4 standards and 1 to defined by user
- ◆Automatic compensation of temperature ◆ Cell constant: 0,1-1,0-10,0 selectable ◆ Automatic scaling in avoiding errors
- ◆Temperature coefficient: 0,00 to 9,99% by °C adjustable ◆Reference temperature: 15...30°C ◆ Indication of Slope and Offset
- ◆Screen: LCD back-light ◆Display information about reading stability and auto-diagnostic

ESPECIFICATIONS

- ◆Scales: 0,00 -14,00pH / ±1000mV / 0,0...200-2000µS / 20,00-200,0mS (± 1% deep scale) / 0...100°(0,1°C/±0,5°C)
- ◆Resolution: 0,1/0,01 pH / 1mV / 0,1/1µS, 0,01/0,1mS / 0,1°C
- ◆Recognize standards: 84, 1413µS and 12,88, 111mS and 1 point defined by user, 25°C
- ◆Calibration points: 3 points recognized on screen, standards USA 1,68 /4,01 / 7,00 /10,01pH and NIST, 1,68 / 4,01 / 6,86 / 9,18pH and 2 points defined by user.
- ◆Inputs: 2 BNC and 2 RCA / Jack (CAT) and REF
- ◆Power: 5V DC / 220V AC, power pack
- ◆Size / Weight: 160 x 185 x 70mm / 550g



Código	Artículo
4.0113.00*	Bench-top multiparametric 52 with articulate support, standards, pH electrode and cell with integrated temperature sensor
4.0113.01*	Bench-top multiparametric 52 with articulate support, standards, pH electrode without cell
4.0104.02*	Cell (5µS to 100mS), 0...80°C CAT NTC 30, plastic, 1m cable
4.0104.03*	Cell (5µS to 150mS), 0...80°C CAT NTC 30, glass, 1m cable
4.0104.04*	Cell(0,1µS to 500µS), 0...80°C CAT NTC 30, epoxi and st.st. 1m cable
4.0200.14*	Articulate support for 4 sensors and CAT

SEE pH-METER and CONDUCTIMETER SECTION for buffers and solutions

Images of the most usual electrodes



DOUBLE PORE
Code 4.0101.12



MINITRODE
Code 4.101.23



FLUSHTRODE
Code 4.0101.16



POLILYTE-LAB
Code 4.0101.11

Code	Articles
For portables	
4.0101.05*	Electrode, plastic body Polyplast-HAMILTON, 0 to 14pH, 0 to 60 °C, electrolyte gel, head threads S7
4.0101.06*	Electrode, plastic body Polyplast-HAMILTON, 0 to 14pH, 0 to 60 °C, electrolyte gel, 1 m fixed cable with BNC connector
For portables with temperature sensor	
4.0100.30*	Electrode, plastic body, for portables 1m fixed cable with BNC connector
Of general use , with head threads S7, without cable	
4.0101.10*	Electrode, pH LIQ-GLASS, 0 to 14pH, 0 to 60 °C, epoxy body, electrolyte liquid
4.0101.11*	Electrode, pH POLYLITE LAB, 0 to 14pH, 0 to 80 °C, glass body, electrolyte polymer. Without filler of electrolyte. "Single pore" system
For foods, with thread head S7, without cable	
4.0101.12*	Electrode, pH DOUBLE PORE, penetration Ø 6mm, L= 25mm, 0 to 14 pH, 0 to 60°C, glass body and electrolyte polymer
4.0101.13*	Electrode, pH FOODTRODE, 2 to 14pH, -10 to 80 °C, glass body, electrolyte liquid Protelyte
Electrodes for critical measures, with thread head S7, without cable	
4.0101.16*	Electrode, pH FLUSHTRODE, difficult measures , pH 0 to 14 pH, 10 to 50 °C, glass body with electrolyte liquid
4.0101.20*	Electrode, pH SINGLE PORE GLAST, 0... to 14pH, 0 to 80 °C, glass body with electrolyte liquid
Special electrodes with thread head S7, without cable	
4.0101.21*	Electrode, pH SINGLE PORE FLAT, for surfaces , 0 to 14pH, 0 to 80 °C, epoxy body with electrolyte liquid
4.0101.22*	Electrode, pH SLIMTRODE, micro Ø 6mm and 100mm, 0 to 14pH, 0 to 80 °C, glass body with electrolyte liquid
4.0101.23*	Electrode, pH MINITRODE, micro Ø 3mm and 60mm, 0 to 14 pH, 0 to 80 °C, glass body with electrolyte liquid
Metallic electrodes with thread head S7, without cable	
4.0101.26*	Electrode, double redox Pt, LIQ-GLASS ORP, -5 to 100 °C
4.0101.27*	Electrode, double redox Pt, for portables, POLYPLAST RX, epoxy body, 0 to 60 °C, 6 bar
4.0101.28*	Electrode, double of Silver, LIQ-GLASS AG, -5 to 100 °C, KNO ₃ 1M electrolyte
Reference electrode	
4.0101.29*	Electrode Ag/AgCl, double bridge, with fixed cable and connector with 2 sticks Ø 2.5mm

Cable for electrodes

Code	Articles
4.0101.30*	Cable AS7/ 1M / BCN, for pH meters with BNC pH meters with BNC connector
4.0101.31*	Cable AS7 / 1M stick Ø 4mm for reference electrode

Redox standard dissolutions

Code	Articles
4.0101.48*	Standard redox 475 mV, 500ml
4.0101.49*	Standard redox 271 mV, 500ml

On demand : 124, 200, 250, 300, 400, 465, 600 and 650mV

Electrolyte, to fill electrode

Code	Articles
4.0101.53*	KCl 3M, 250ml
4.0101.54*	KCl 3M, 500ml Hamilton
4.0101.58*	KNO ₃ 1 M, for Silver electrodes 250ml
4.0101.59*	Lithium Acetate 3M

Conductivity standards solutions. NIST Traceability

Code	Articles
4.0100.13*	Standard solution 1.3µS / cm / 25 °C, 1x300ml
4.0100.14*	Standard solution 5µS / cm / 25 °C, 1x300ml
4.0100.15*	Standard solution 15µS / cm / 25 °C, 1x300ml
4.0100.16*	Standard solution 84µS / cm / 25 °C, 1x500ml
4.0100.22*	Standard solution 100µS / cm / 25 °C, 1x300ml
4.0100.11*	Standard solution 147µS / cm / 25 °C, 1x500ml
4.0100.04*	Standard solution 1413µS / cm / 25 °C, 1x500ml
4.0100.07*	Standard solution 12,880mS / cm / 25 °C, 1x500ml
4.0100.21*	Standard solution 100mS / cm / 25 °C, 1x300ml

Standards of other values, conductivity, salinity and Certified ENAC solutions

Distributor:

Buffers pH, with Certificate and NIST Traceability

Code	Articles
4.0101.32*	Buffer 4.01 ± 0.01pH / 25 °C, 500ml
4.0101.36*	Buffer 7.00 ± 0.01pH / 25 °C, 500ml
4.0101.40*	Buffer 10.00 ± 0.01pH / 25 °C, 500ml
Colored pH buffer dissolutions to avoid confusion	
4.0101.43*	Buffer 4.01 ± 0.01pH / 25 °C, 55ml
4.0101.45*	Buffer 7.00 ± 0.01pH / 25 °C, 55ml.
4.0101.46*	Buffer 10.00 ± 0.01pH / 25 °C, 55ml

Dissolutions for maintenance

Code	Articles
4.0101.60*	Maintenance of electrodes, 500 ml Hamilton
4.0101.61*	Clean -proteins (Pepsin-HCl), 250ml
4.0101.62*	Clean – diaphragms (Thiourea+HCl) 250ml
4.0101.63*	Regeneration of membranes, 250ml

