

XS Instruments PC 80

pH/mV/ COND/TDS/Salinity/Resistivity/°C Bench top Meter

Easy is the name of the game

A group of European experts in electrochemistry and a famous Asian producer have developed this new line of bench top meters, finding the right balance between the design and **easy to use**.

The large color display **easy on to read** shows all information that you need about measurement, buffers used for calibration, electrode's life, GLP information and instrument's memory.

Anyone can use this meter with its plain language screen prompts. Multilanguage interface that support English, Spanish, French, German, Italian... up 8 language. **Easy to learn**. Complete English instruction manual available on line with press only one key.

Up to 5 point pH calibration with automatic recognition for USA/NIST/DIN, up to 4 point COND calibration and User buffers. Icon support all calibration editing function with advanced electrode diagnostics. **Easy to calibrate**.

Main Features

- Display pH/mV and Temperature, COND/TDS/Salinity/Resistivity and Temperature simultaneously
- Selectable Resolution: 0,1/0,01/0,001 pH; Auto range for COND
- GLP and IQ-OQ manual available
- Selectable cell constant allows for use with 2 or 4 plate cell
- Large color display with indication of Calibration Buffers and measurement's stability
- Memory with re-call of last calibration date and time and information of electrode's life
- CAL DUE: set of calibration frequency for high quality of measurements
- Stability Parameter (Low-Med-High) for high accuracy measurement
- Non-volatile memory holds up to 1000 data points with date and time in automatic (Data logger) or manual and send to PC or printer
- Mix sample with stir plate included direct control from PC 80 with independent keys integrated on case or removable up 50 cm distance with cable plug
- 2x USB ports to transfer data at PC or printer and for external keyboard
- Software PC-Link to download data (included)
- IP54 rated housing handles splashes
- 3 years meter replacement warranty



Technical specification

Technical specification	PC 80
pH measuring range	-2...20
Resolution/ Relative accuracy	0.1 / 0.01 / 0.001 / ±0,002
Points of calibration	1...5
Buffer recognized	USA, NIST, DIN, 5 USER
Indication of calibration points	YES
GLP Calibration	YES with data and time
Indication electrode condition	YES with icon
CAL DUE with allarm	YES
Criteria of measurement stability	Low-Medium-High
Allarm value	MIN-MAX
mV (redox) measuring range/ Resolution	± 2000 / 0.1 / 1
COND measuring range	0,00...1000mS
Resolution	Automatic scale
Relative accuracy	±0,5 % value reading
TDS measuring range	0,1mg/L...500 gr/L
TDS Factor / Relative accuracy	0.40...1.00 / ±0,5 % value reading
Salinity measuring range/ Relative accuracy	0,01...100ppt / ±0,1
Resistivity range / Relative accuracy	0...20MΩ / ±0,5 % value reading
Temperature range °C / Accuracy	-20,0...120,0 / ± 0,2°C
Temperature compensation	Manual or automatic (NTC 30KΩ) 0...100°C
Temperature calibration	YES
Calibration points COND	1...4
Calibration standard recognized	84, 1413 μS / 12.88, 111.8 mS 1 point user defined
Indication of calibration standard	YES
TC Temperature coefficient	0,00...10,00% / °C
TR Reference temperature	15...30°C
GLP Calibration	YES with data and time
Indication of cell condition	YES with icon
CAL DUE COND with allarm	YES
Type of cell	2 or 4 pole
Cell constant	0.1...10.0
System GLP	YES
Memory	MAN/AUTO 1000 date with data and time
Display	Matrix multicolors with icons, digital and analogic
Inputs	2xBNC, 2xJack phone (ATC), USB for printer or PC, USB for external keyboard
Language	8 language
Manual On-line	YES
Magnetical stirrer	YES
Speed controll stirrer	0...3000 rpm
IP Protection	IP 54
Power supply	AC/DC adapter 9 V / 300 mA
Dimensions / Weight	360x220x100 mm / 1250 gr

How to order	
Code	Description
50004242	PC 80 complete kit included pH electrode XS STANDARD, temperature probe NT55, S7/BNC 1 m cable, conductivity cell glass VPT 80/1 with ATC. Colored pH buffer solution pH 7 and pH 4, standard conductivity solution 1413 μS and 12,88 mS, power supply and accessories. With stirrer.
50004252	PC 80 kit without pH electrode, with cond. cell glass VPT 80/1 . Cable S7/BNC, temperature probe NT55, colored pH buffer solution pH 7 and pH 4, standard conductivity solution 1413 μS and 12,88 mS, power supply and accessories. With stirrer.
50004262	PC 80 with pH electrode XS STANDARD BNC, without cond. cell. Temperature probe NT55, colored pH buffer solution pH 7 and pH 4, standard conductivity solution 1413 μS and 12,88 mS, power supply and accessories. With stirrer.
50004272	PC 80 without pH electrode and cond. cell. Cable S7/BNC, temperature probe NT55, colored pH buffer solution pH 7 and pH 4, standard conductivity solution 1413 μS and 12,88 mS, power supply and accessories are provided. With stirrer.
32200363	XS Standard S7 pH electrode
50003352	VPT80/1 conductivity cell C=1 with ATC, glass body, platinum plate with 1 m cable. Measuring range: 10μS...100 mS, 0...80 °C
50003362	VPT80/4 conductivity cell 4 pole C=0,5 with ATC, epoxy body, graphite plate with 1 m cable. Measuring range: 20μS...500 mS, 0...60 °C
50004012	VPT51/01 conductivity cell C=0,1 with ATC, PVC/stainless steel, with 1 m cable. Measuring range: 0,1μS...1mS, 0...60 °C
50002012	NT 55 Temperature probe
50001462	External keyboard
50001452	External USB printer
50001472	IQ-OQ manual