



COND 80 Bench top Meter

COND/TDS/Salinity/Resistivity/°C - GLP



XS Instruments COND 80

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**.

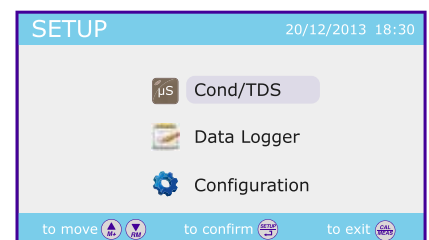
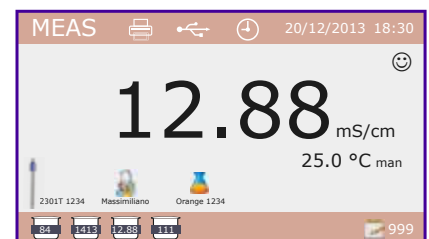
The large color display **easy on to read** shows all information that you need about measurement, standard used for calibration, GLP information and instrument's memory.

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 4 point Conductivity calibration with automatic recognition and User standards. Icon support all calibration editing function with advanced conductivity cell diagnostics. **Easy to calibrate**.

Main Features

- Display COND/TDS/Salinity/Resistivity and Temperature simultaneously
- Resolution: automatic scale
- Selectable cell constant allows for use with 2 or 4 plate cell
- GLP and IQ-OQ manual available
- Automatic calibration 1 to 4 points between 4 conductivity standard values
- Manual calibration on 1 point (User defined)
- Large color display with indication of Calibration standard used and measurement's stability
- Automatic and manual compensation of temperature with reference value 15...30 °C
- Memory with re-call of last calibration date and time and information of cell constant
- CAL DUE: set of calibration frequency for high quality of measurements
- Indication stability of the measurement with icon
- 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 COND 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	COND 80
COND measuring range	0,00...1000 mS
Resolution	Automatic scale
Relative accuracy	±0,5 % value reading
TDS measuring range	0,1mg/L...500 gr/L
TDS Factor	0.40...1.00
Relative accuracy	±0,5 % value reading
Salinity measuring range	0,01...100ppt
Relative accuracy	±0,1
Resistivity measuring range	0...20MΩ
Relative accuracy	±0,5 % value reading
Temperature measuring range °C	-20...120
Resolution/ Accuracy	0,1/± 0,2°C
Unit	°C /°F
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 with alarm	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
Inputs	BNC, Jack 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	360 x 220 x 100 mm
Weight	1250 gr

How to order	
Code	Description
50003402	COND 80 complete kit included conductivity cell Glass-Pt VPT80/1, standard solution 1413 μS and 12,88 mS, 2 becker with magnetical bar for calibration, power supply and accessories. With stirrer.
50003412	COND 80 kit without conductivity cell. Standard solution 1413 μS and 12,88 mS, 2 becker with magnetical bar for calibration, power supply and accessories. With stirrer.
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

The Perfect Combination



This Chinese symbol means the “The Double Happiness”, the combination between two perfect elements. This is used in China as a greeting during wedding. We believe that The Perfect combination is something that going on.

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, innovative ideas in pH and conductivity measurement and easy use.

This is the First Perfect Combination.



If you have a beautiful bench meter, but you don't combine it with a perfect pH electrode, this will be always and only a simple instrument that shows only numbers on the display and not pH measurement. Also in this case we have worked for a perfect combination. A very famous Swiss producer has developed, only for this line of instruments, a complete laboratory line of pH electrodes for every type of application.

This is the Second Perfect Combination.

“The calibration of pH measuring system is one of the most important factors. To ensure a high measuring accuracy one has to follow the correct calibration procedure, use new and accurate buffer solutions and wait long enough for stable indication values of the electrode assembly to be calibrated. No pH measurement can be more accurate than its calibration accuracy”

(International of basic and General Terms in Metrology)

If you have a good electrode, but you don't calibrate this with buffer solutions with good metrological traceability, You can't obtain reliable results. The XS buffer solutions come to celebrate the **Third Perfect Combination.**



A Perfect Combination for new emotion.

XS instruments

Right solution from the start.

Full line of waterproof portable and tester meters for pH, Conductivity and ORP in field measurement.



pH Series
pH 7 - pH 70



Conductivity Series
COND 7 - COND 70



Multiparameter
Series PC 7 - PC 70



pH-COND-PC-ORP
waterproof tester

DISTRIBUTED BY:



ISO 9001
CERTIFIED



Designed

