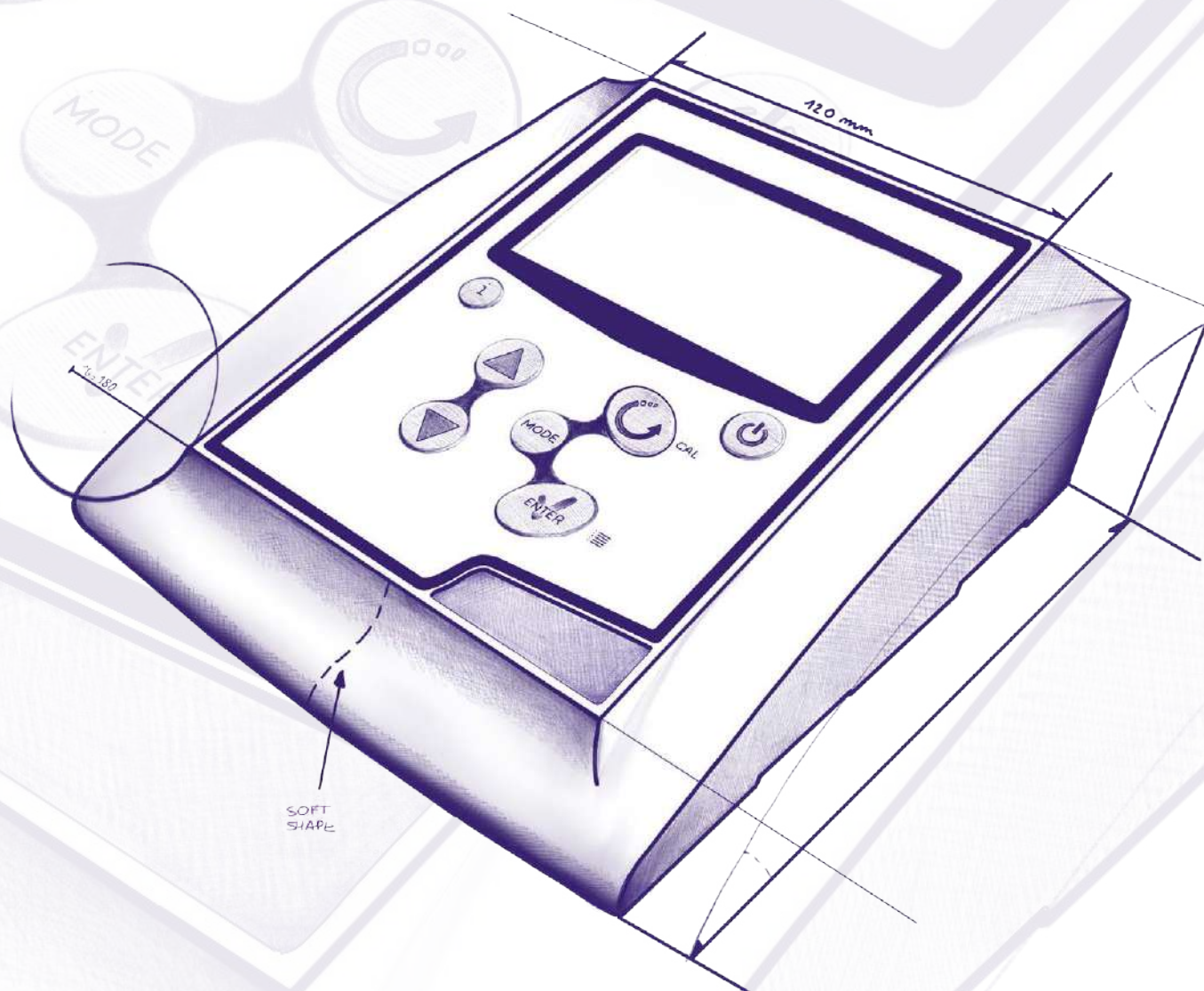


COND 8+

COND - TDS - Salinity - Temperature
GLP - USB Data Logger - RS232 printer

COND 80+

COND - TDS - Salinity - Resistivity - Temperature
GLP - GMP - USB Data Logger - RS232 printer



XS makes Conductivity easy

Easy is the name of the game

GiorgioBormac company, expert in electrochemistry, has developed this new line of bench meters, finding the correct equilibrium between design and simplicity of use. **Simple to use.**

The wide color display, **simple to read**, shows all the necessary informations, like the measure, the buffer solutions used in the last calibration, the cell constant, GLP informations and the memorized data.

Multilanguage interface that supports English, Spanish, French, German, Italian, Czech... up to 8 languages.

Using only 5 keys, the user has the complete control of all the functions. **Simple to understand.**

Up to 4 conductivity calibration points, with automatic recognition of the buffer solutions, standards or defined by the user.

Support to calibration through icons with an advance diagnosis of the conditions of the cell. Saving calibration for each cell constant. **Simple to calibrate.**

COND 8+

COND - TDS - Salinity - Temperature - GLP - Data Logger

Main features

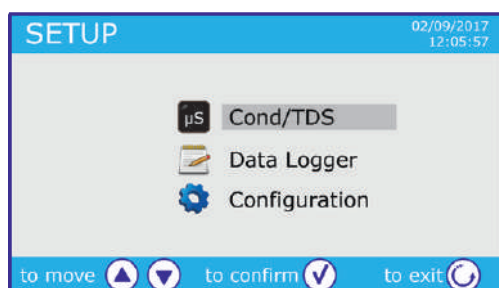
- Automatic calibration 1 to 4 points, between 4 conductivity standard values
- Simultaneous display of COND/TDS/Salinity and temperature
- Resolution: automatic scale
- Selectable cell constant allows for use with 2 plates cell
- Saving and recall calibration for each cell constant
- **Numeric password for calibration management and data memory delete**
- Manual calibration on 1 point (User defined)
- Automatic and Manual temperature compensation, reference values 15...30 °C
- Large color display with indication of calibration standard solutions used and measurement's stability
- Stability indication, with icon
- Memory recall of last calibration, date and time, and informations about the cell constant
- Calibration Timer: set frequency of the calibration for high quality of measurements
- Non-volatile memory holds up to 1000 data , with date and time, automatically (Data logger) or manually, and downloadable on PC with free software "DataLink" or printable
- Stirrer plate included (in stirrer version)
- Multilanguage menu setup
- 3 years warranty



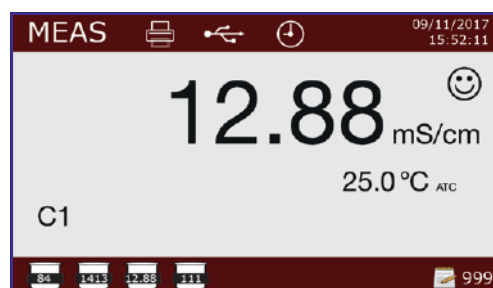
Back panel COND 8+



COND 8+ Stirrer



Setup menu



Measurement screen

How to order COND 8+

Code	Description
50003232	COND 8+ kit STIRRER with conductivity cell 2301T, conductivity standards 1413 μ S and 12,88 mS, 2 beakers with magnetic bar, electrode holder and accessories. With stirrer
50003242	COND 8+ kit STIRRER without conductivity cell, includes conductivity standards 1413 μ S and 12,88 mS, electrode holder and accessories. With stirrer
50003202	COND 8+ kit BASIC with conductivity cell 2301T, conductivity standards 1413 μ S and 12,88 mS, electrode holder and accessories. Without stirrer
50003212	COND 8+ kit BASIC without conductivity cell, includes conductivity standards 1413 μ S and 12,88 mS, electrode holder and accessories. Without stirrer
50001132	Magnetic stirrer, controlled by the meter
50003352	VPT80/1 conductivity cell C=1 with ATC, glass body, platinum plate, cable length 1m. Measuring range 10 μ S...100 mS, 0...80°C
50004002	2301T conductivity cell with ATC, C=1, range 10 μ S...100 mS, 0...60°C
50004012	VPT51/01 conductivity cell C=0,1 with ATC, PVC/ steel, cable length 1m. Measuring range 0,1 μ S...1 mS, 0...60°C
50004072	VPT 80/10 conductivity cell, C=10, with ATC, cable length 1m, measuring range 100 μ S...200 mS
50002012	NT 55 temperature probe
50001502	RS232 printer, normal paper, for series 8+ - 80+
50001512	Power supply AC/DC 12 V/1A for series 8+ - 80+

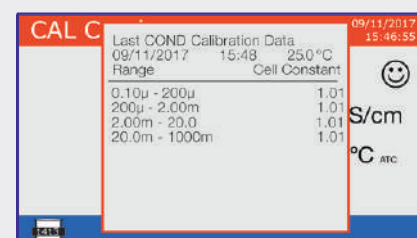
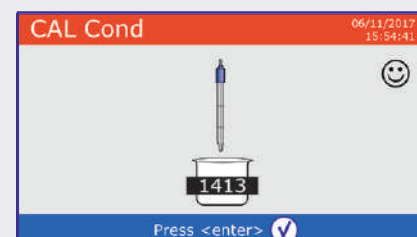
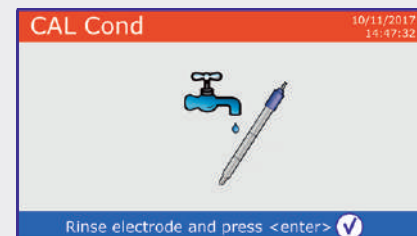
COND 80+

COND - TDS - Salinity - Resistivity - Temperature - GLP - GMP - Data Logger

Main features

- Simultaneous display of COND/TDS/Salinity/Resistivity and temperature
- Resolution: automatic scale - Selectable cell constant allows to use with 2 plates cell
- **Alphanumeric password for calibration management and data memory delete with soft keypad included**
- GLP and IQ-OQ manual available
- Saving and recall calibration for each cell constant
- Automatic calibration from 1 to 4 calibration points, between 4 standard buffer solutions
- Manual calibration on 1 point (defined by the user)
- Wide colored display with indication of calibration standards solutions used and measurement's stability
- Automatic and manual temperature compensation, reference values 15...30°C
- **Compensation for Ultrapure water for low conductivity measurement**
- Memory recall of last calibration, date, time and informations about the cell constant
- Calibration Timer: set frequency of the calibration for high quality of measurements
- Indication of stability
- Non-volatile memory holds up to 1000 data , with date and time, automatically (Data logger) or manually, and downloadable on PC with free software "DataLink" or printable
- Stirrer plate included (in stirrer version)
- 2 USB ports, for PC connection, and for external keyboard included
- RS232 port for printer connection
- Multilanguage menu setup
- Quick on-line manual
- 3 years warranty

Cond calibration procedure



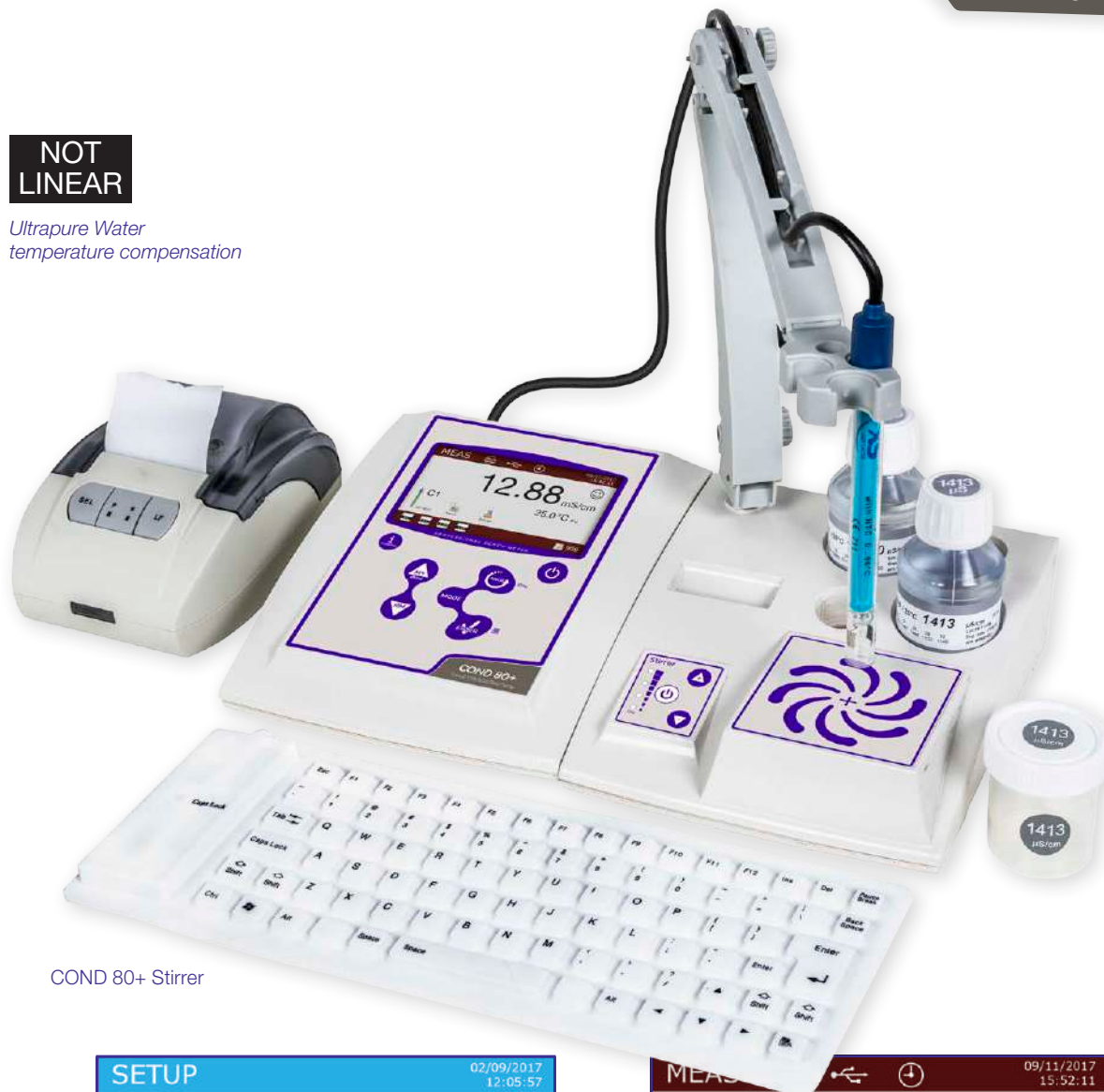
Back panel COND 80+



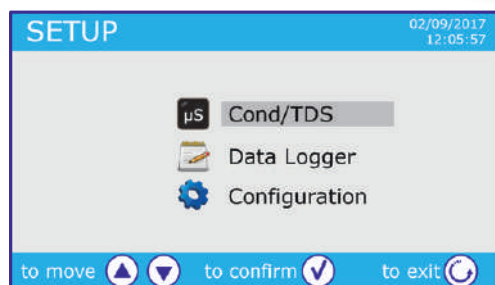
RS232 printer
for COND 8+ e COND 80+



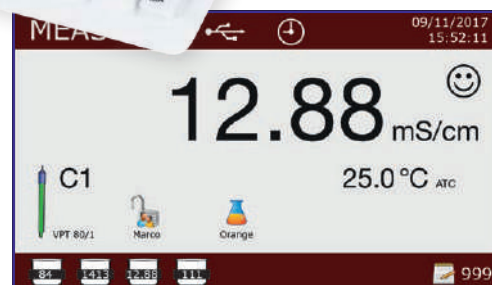
VPT 51/01
for ultra pure water

**NOT
LINEAR***Ultrapure Water
temperature compensation*

COND 80+ Stirrer



Setup menu



Measurement screen

How to order COND 80+

Code	Description
50003402	COND 80+ kit STIRRER with glass conductivity cell VPT 80/1 , conductivity standard solutions 1413 µS and 12,88 mS, soft keypad, power supply and accessories. With stirrer
50003412	COND 80+ kit STIRRER without conductivity cell , includes conductivity standard solutions 1413 µS and 12,88 mS, soft keypad, power supply and accessories. With stirrer
50003422	COND 80+ kit BASIC with glass conductivity cell VPT 80/1 , conductivity standard solutions 1413 µS and 12,88 mS, soft keypad, power supply and accessories. Without stirrer
50003432	COND 80+ kit BASIC without conductivity cell , includes conductivity standard solutions 1413 µS and 12,88 mS, soft keypad, power supply and accessories. Without stirrer
50003352	VPT 80/1 conductivity cell C=1 with ATC, glass body, platinum plates, cable length 1m. Measuring range 10 µS...100 mS, 0...80°C
50004072	VPT 80/10 conductivity cell C=10 with ATC, cable length 1m. Measuring range 100 µS...200 mS
50004012	VPT 51/01 conductivity cell C=0,1 with ATC, PVC/ steel, cable length 1m. Measuring range 0,1 µS...1 mS, 0...60°C
50002012	NT 55 temperature probe
50001462	External USB keyboard
50001502	RS232 Printer , normal paper for series 8+ - 80+
50001512	Power supply AC/DC 12 V/1A for series 8+ - 80+
50001472	IQ-OQ Manual

XS Conductivity Cells

Shaft Material:	Glass
Temperature probe:	No/Yes (on VPT 80/1)
Plates:	Platinum
Length:	120 mm
Diameter:	12 mm

BNC Plug



RCA Cinch Plug



Model	Range COND	Temp. °C	Connection	Note	Code
VP 8	10 µS...10 mS	0...+80 °C	Fix cable / BNC	Cell constant C=1	50004062
VPT 80/1	10 µS...10 mS	0...+80 °C	Fix cable / BNC	Cell constant C=1 temperature probe NTC 30KΩ RCA Cinch plug	50003352



Shaft Material:	PVC / Steel
Temperature probe	Yes
Plates:	Steel
Length:	120 mm
Diameter:	12 mm



Model	Range COND	Temp. °C	Head	Note	Code
VPT 51/01	0,1µS...1mS	0...+60 °C	Fix cable / BNC	Cell constant C=0,1 , Temp. probe NTC 30KΩ plug RCA Cinch for ultra pure water	50004012



Shaft Material:	Glass
Temperature probe:	Yes
Plates:	Platinum
Length:	120 mm
Diameter:	12 mm



Model	Range COND	Temp. °C	Head	Note	Code
VPT 80/10	100 µS...200 mS	0...+80 °C	Fix cable / BNC	Cell constant C=10 , temp. probe NTC 30KΩ plug RCA Cinch for sea water	50004072



Shaft Material:	Epoxy
Temperature probe:	Yes
Plates:	Platinum
Length:	120 mm
Diameter:	12 mm



Model	Range COND	Temp. °C	Head	Note	Code
2301T	10 µS...100 mS	0...+60 °C	Fix cable / BNC	Cell constant C=1 , Temp. probe NTC 30KΩ plug RCA Cinch	50004002



Conductivity standards 5 µS/cm
certified DANAK/DFM



Conductivity standard 5 µS/cm
NIST traceability



Certificated DANAK/DFM



Calibration solutions NIST traceability certificate

Conductivity standards

- Ergonomic bottle, 500 ml, with calibration compartment incorporated, with table of conductivity variation as a function of temperature, for an accurate calibration
- 1,3 e 5,0 µS/cm in glass bottle, 300 ml
- Cheaper, just use the necessary for calibration

- 24 months guaranteed lifetime
- **1,3 and 5,0 µS/cm 12 months** guaranteed lifetime
- On the certificate are reported real value and expiry date
- Certificates of analysis downloadable on website

XS Professional with DANAK/DFM certificate

CONDUCTIVITY STANDARDS			
Code	Packaging	Value µS/cm (20°C / 25°C)	Accuracy
51300303	300 ml	1,3	± 0.1 µS/cm
51300313	300 ml	5,0	± 0.1 µS/cm
51300323	500 ml	76 / 84	± 1%
51300333	500 ml	133 / 147	± 1%
51300343	500 ml	1278 / 1413	± 1%
51300353	500 ml	11670 / 12880	± 1%

XS Basic with NIST traceability

CONDUCTIVITY STANDARDS			
Code	Packaging	Value µS/cm (20°C / 25°C)	Accuracy
51100503	300 ml	1,3	± 0.1 µS/cm
51100513	300 ml	5,0	± 0.1 µS/cm
51100613	500 ml	76 / 84	± 1%
51100623	500 ml	133 / 147	± 1%
51100633	500 ml	1278 / 1413	± 1%
51100643	500 ml	11670 / 12880	± 1%



Fill compartment with a simple press



Calibrate the electrode



Empty the calibration compartment

Datasheet

COND 80+

COND 8+

COND measuring range	0,00...20,00 - 200,0 - 2000 μ S / 2,00 - 20,00 - 200,0 - 1000 mS	0,00...20,00 - 200,0 - 2000 μ S / 2,00 - 20,00 - 200,0 mS
Resolution	Automatic scale	
Accuracy	± 1 % full scale	
COND calibration points	1...4	
Buffer auto recognition	84, 1413 μ S, 12.88, 111.8 mS, 1 defined by the user	
Indication of calibration points	Yes	
Temperature coefficient	Ultrapure Water and 0,00...10,00 %/°C	0,00...10,00 %/°C
Reference temperature	15...30°C	
GLP calibration	Yes, with date and time	
Indication of conditions of the cell	Yes, with icon	
Indication of cell constant	Yes	
Calibration timer with alarm	Yes	
Cell type	2 poles	
Cell constant	0,1 - 1 - 10	
TDS measuring range	0,1 mg/l...500g/l	0,1 mg/l...100g/l
TDS Factor/ Accuracy	0.40 ... 1.00 / ± 1 % full scale	
Salinity measuring range / Accuracy	0,01...100 ppt / ± 1 % full scale	
Resistivity measuring range / Accuracy	1...10 M Ω / ± 1 % full scale	—
Temperature °C measuring range / Accuracy	-20,0...120,0 / $\pm 0,5$ °C	-10...110,0 / $\pm 0,5$ °C
Temperature compensation	Automatic or Manual 0...100°C (NTC 30K Ω)	
Temperature calibration	Yes	
GLP system	Yes	
Password	Yes, alphanumeric	Yes, numeric
Memory	MAN/AUTO 1000 data, with date and time	
Display	Multicolor dot matrix, with icons, digital view	
Input	BNC, Cinch/RCA (ATC), RS232 for printer, USB for PC and USB for external keyboard	BNC, Cinch/RCA (ATC), RS232 for printer, USB for PC connection
Selectable languages	8 languages	
On-line manual	Yes	—
Magnetic stirrer	Yes	
Speed control	0...3000 rpm	
IP protection	IP 54	
Power supply	AC/DC adaptor 12V / 1000mA	
Dimensions	165 x 195 x 68 mm	
Weight	1050 g (without stirrer)	

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