



# *Bench meters*

**pH 50+**

pH - mV/ORP - Temperature

**COND 51+**

COND - Temperature

**PC 52**

pH - mV/ORP - COND - Temperature



*The Future Starts Now*





## pH 50+

pH - mV/ORP - Temperature



## COND 51+

COND - Temperature



### The Future starts now

*A group of European experts in electrochemistry has developed this new line of bench top meters, finding the right balance between the design and ease of use.*

An elegant and ergonomic case which has inside the best of technology.

A large display backlight shows all information you need about the measurement and electrode's life.

All the functional parameters of connected electrode, during measurement or calibration, are constantly checked and inform the operator for easy trouble-shooting.

Display information show calibration points and measurements stability indicator.

Only 4 keys allow the user to control all functions in an intuitive and easy way.

The instrument is powered by included 5V DC / 220V power supply.



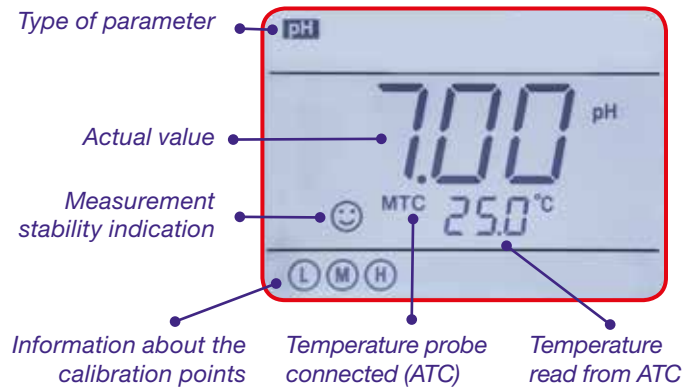
Conductivity cell VPT 51/01  
For ultra pure water

# PC 52

pH - mV/ORP - COND - Temperature



## Display information



Probes connection PC 52

## Main Features

- Large backlight display pH/mV/Conductivity and Temperature parameters simultaneously

### pH 50+ / PC 52

- Selectable resolution: 0,1/0,01 pH
- Automatic calibration up to 3 points with 2 selectable pH-buffer sets (USA and NIST)
- Manual calibration up to 2 points with user-defined pH-Buffer
- Stability parameter (Low-Med-High) for high accuracy measurement

### COND 51+ / PC 52

- Automatic calibration from 1 to 4 points between 4 conductivity standard values: 84  $\mu$ S – 1413  $\mu$ S – 12,88mS – 111,9 mS
- Manual calibration at 1 point (User defined)
- Automatic and manual compensation of temperature with reference value 15...30 °C



Technical specifications	pH 50+	COND 51+	PC 52
pH measuring range	0,00...14,00 pH		0,00...14,00 pH
Resolution	0,1/0,01 pH		0,1/0,01 pH
Calibration points	1, 2 or 3		1, 2 or 3
Buffer 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 user		USA: 1,68 - 4,01 - 7,00 - 10,01 pH NIST: 1,68 - 4,01 - 6,86 - 9,18 pH 2 points defined by user
Indication of the Slope and Offset	Yes		Yes
Criteria of measurement stability	Yes		Yes
Indication of calibration point	Yes		Yes
mV measuring range	± 1.000 mV		± 1.000 mV
Resolution	1 mV		1 mV
COND measuring range		0,0...200 - 2000 µS / 20,00-200,0 mS	
Resolution		0,1/1 µS 0,01/0,1 mS	
Relative accuracy		±2% f.s.	
Calibration points		1...4.	
Calibration standards recognized		84 µS - 1413 µS - 12,88mS - 111,9 mS - 1 point user defined	
Cell constant selectable		0,1 - 1 - 10 cm <sup>-1</sup>	
Temperature coefficient		0,00...10,00 %/°C	
Reference temperature		15...30 °C	
Indication of calibration standards		Yes	Yes
Temperature measuring range		0...100,0 °C	
Resolution / Accuracy		0,1 °C / ± 0,5 °C	
Temperature compensation pH	Automatic / manual 0...100 °C		Automatic / manual 0...100 °C
Temperature compensation COND		Automatic / manual 0...80 °C	Automatic / manual 0...80 °C
<b>System</b>			
Display	LCD ( Liquid Crystal Display) Backlight		
Inputs	BNC and RCA / CINCH (CAT) and REF	BNC, RCA / CINCH (CAT)	2 BNC and 2 RCA / CINCH (CAT) and REF
Power supply	5V DC / 220 V		
IP protection	IP 54		
Dimensions / weight instrument	160 x 185 x 70 (H) mm / 550 g		

How to order pH 50+	
Code	Description
50001002	<b>pH 50+ complete kit</b> included pH electrode 201T with temperature sensor inside and BNC, colored pH buffer solution pH 7 and pH 4, electrode holder and 5V/220V AC power supply
50001012	<b>pH 50+ kit without pH electrode.</b> Cable S7/BNC, temperature probe NT55, colored pH buffer solution pH 7 and pH 4, electrode holder and 5V/220V AC power supply

How to order COND 51+	
Code	Description
50003002	<b>COND 51+ complete kit</b> include cond. Cell 2301T with ATC, cable length <b>1m</b> . Cell holder, standard calibration solutions 1413 µS and 12,88 mS and 5V/220V AC power supply
50003012	<b>COND 51+ without conductivity Cell.</b> standard calibration solutions 1413 µS and 12,88 mS, cell holder and 5V/220V AC power supply

How to order PC 52	
Code	Description
50003902	<b>PC 52 complete kit</b> include pH electrode 201T and conductivity cell 2301T with integrated ATC, both with 1m cable and BNC plug, electrode holder and colored pH buffer solution pH 7 and pH 4, standard calibration solutions 1413 µS and 12,88 mS and 5V/220V AC power supply
50003912	<b>PC 52 complete kit without pH electrode,</b> cable S7/BNC, temperature probe NT55, conductivity cell 2301T with integrated ATC with 1m cable and BNC plug, electrode holder and colored pH buffer solution pH 7 and pH 4, standard calibration solutions 1413 µS and 12,88 mS and 5V/220V AC power supply

Accessories and spare parts

	Code	Description	
	50002002	pH electrode mod. 201T with integrated temperature sensor for pH 50+ and PC 52, cable length 1 m with BNC	BNC/RCA-Cinch
	32105302	ORP electrode for pH 50+ and PC 52, cable length 1 m with BNC plug	BNC
	32200203	Gel pH electrode with S7 head. Glass body for general application. Dimensions (LxØ) mm 120 x 12, cylindrical membrane. Filled with gel maintenance free.	S7
	50004002	Cond. Cell mod. 2301 T with ATC, for COND 51+ and PC 52 C=1,0. range 10 µS...200 mS, cable length 1 m	BNC/RCA-Cinch
	50004012	Cond. Cell VPT 51/01 with ATC, C=0,1 for COND 51+ and PC 52 range 0,1 µS...1 mS, cable length 1 m	BNC/RCA-Cinch
	50002012	NT 55 temperature probe for pH 50+, COND 51+ and PC 52	RCA-Cinch
	50010172	Power supply 5V / 220V AC	
	50000112	Electrode holder with flexible arm	

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