

## DIGITAL RANGE

**P 310 pH-meter**  
**C 320 conductivity meter**

Ergonomic  
Rugged  
Intuitive

Simple, reliable and  
accurate



Possibility of simultaneous measurement of pH and Redox potential

Automatic or manual calibration with 1 or 2 buffers for pH

Automatic or manual switching of conductivity ranges

Automatic or manual temperature compensation

RS232 digital output and analogue output (0-5 V)

## Technical specifications :

		P 310 pH-meter	C 320 conductivity meter
Screen		1 x 2,000-count LCD + 1 x 8-character alphanumeric display	
Parameters measured	pH	■	
	Redox potential	■	
	Conductivity		■
	Temperature	■	■
<b>METROLOGICAL PERFORMANCE</b>			
Measurement range and associated resolution (Rs)	pH	0 - 14 (Rs = 0.01 pH)	
	Redox potential	± 1,999 mV (Rs = 1 mV)	
	Conductivity		6 measurement ranges: 0 - 2,000 nS/cm 0 - 20 µS/cm 0 - 200 µS/cm 0 - 2,000 µS/cm 0 - 20 mS/cm 0 - 200 mS/cm
	Temperature	Manual correction: 0 - 150 °C (Rs = 0.1 °C) Automatic correction (with Pt100 sensor): -10 - 200 °C (Rs = 0.1 °C)	Resolution: Rs = 1 nS/cm Rs = 0.01 µS/cm Rs = 0.1 µS/cm Rs = 1 µS/cm Rs = 0.01 mS/cm Rs = 0.1 mS/cm
Calibration	pH: automatic or manual with 1 or 2 buffers Redox potential: manual with 1 buffer	Manual	
<b>FUNCTIONS</b>			
Temperature compensation	ATC or MTC	ATC or MTC Linear: 0 to 8.0 %/°C Reference temperature: 25 °C	
<b>ENVIRONMENTAL SPECIFICATIONS</b>			
Operating temperature	0 to 50 °C		
Humidity	5 to 80 % at 35 °C		
Pollution class	Usage category 2		
Altitude limit	2,000 m		
Conformity	NF EN 61010-1 — NF EN 61326 (Class B)		
<b>PHYSICAL SPECIFICATIONS</b>			
Dimensions (length x width x depth)	275 x 208 x 51 mm	275 x 208 x 51 mm	
Weight	800 g	780 g	
Connections (inputs)	BNC plug for pH electrode and input for separate pH reference electrode BNC plug for redox electrode and input for separate redox reference electrode 5-pin plug for temperature sensor	BNC plug for conductivity cell 5-pin plug for conductivity and temperature cell or temperature sensor only	
Communication (outputs)	9-male-channel sub.d connector for analogue recorder outputs (x3) 9-female-channel sub.d connector for RS232 output	2 isolated 4 mm outputs for analogue recorder output 9-female-channel sub.d connector for RS232 output	
Power supply	9 V mains adapter (supplied)		
Warranty	3 years		

## Ordering references and state at delivery:

Benchtop pH-meter: instrument delivered with concentrated pH4 and pH7 reference solutions (125 mL), 1 x 2 mm banana common reference cable and 2 mm male/4 mm female banana adapter, 1 user manual and 1 mains adapter (9 V power supply)	<b>P310</b>
Benchtop conductivity meter: instrument delivered with 1 M KCl solution (125 mL), 1 user manual and 1 mains adapter (9 V power supply)	<b>C320</b>
Electrodes/sensors and mechanical accessories	Please contact us

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