

Portavo 904 pH

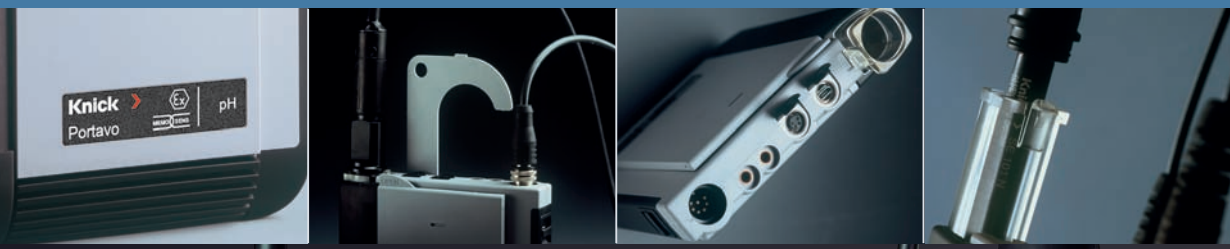
Robust, intuitive portable pH meter with data logger, USB port and lithium-ion batteries.

Up to 5,000 values can be recorded using the integrated data logger. These data can be easily transferred to a computer for analysis using the USB interface and the included Paraly SW 112 software.

Facts

- A sensor quiver protects the sensor from damage and drying out
- The high-performance polymer housing ensures low water consumption and high impact resistance
- Over 1,000 hours of measurement with a single set of batteries (4x AA)
- Li-ion battery
- Data logger with 5,000 values
- Micro USB port and Paraly SW 112 software
- Memosens sensors and analog pH sensors can be used on one device (e.g flat-membrane sensors)
- The mineral glass display is perfectly readable even after years





LITHIUM
TECHNOLOGY

MEMO SENS

3 years
warranty!

Portavo 904 pH

Specifications

pH/mV input (analog)	pH socket, DIN 19 262 (13/4 mm)	
	pH range	-2 ... 16
	Decimal places ^{*)}	2 or 3
	Input resistance	1 x 10 ¹² Ω (0 ... 35 °C)
	Input current	1 x 10 ⁻¹² A (at RT, doubles every 10 K)
	Measuring cycle	Approx. 1 s
	Measurement error ^{1,2,3)}	< 0.01 pH, TC < 0.001 pH/K
	mV range	-1300 ... +1300 mV
	Measuring cycle	Approx. 1 s
	Measurement error ^{1,2,3)}	< 0.1 % meas.val. + 0.3 mV TC < 0.03 mV/K
Temperature input	2 x 4 mm dia. for integrated or separate temperature detector	
	Measuring ranges	NTC 30 kΩ -20 ... +120 °C Pt 1000 -40 ... +250 °C
	Measuring cycle	Approx. 1 s
	Measurement error ^{1,2,3)}	< 0.2 K (Tamb = 23 °C); TC < 25 ppm/K
Memosens pH input (also ISFET)	M8 socket, 4 pins, for Memosens lab cable	
	Display ranges ⁴⁾	pH -2.000 ... +16.000 mV -2000 ... +2000 mV Temperature -50 ... +250 °C
Memosens ORP input	M8 socket, 4 pins, for Memosens lab cable	
	Display ranges ⁴⁾	mV -2000 ... +2000 mV Temperature -50 ... +250 °C
	Sensor standardization ^{*)}	ORP calibration (zero adjustment)
	Permissible calibration range	ΔmV (offset) -700 ... +700 mV
Sensor standardization ^{*)}	pH calibration	
Operating modes ^{*)}	Calimatic	Calibration with automatic buffer recognition
	Manual	Manual calibration with entry of individual buffer values
	Data entry	Data entry of zero and slope
Calimatic buffer sets ^{*)}	Knick CaliMat	Ciba (94) User defined
	NIST technical	HACH Mettler-Toledo
	NIST standard	Hamilton WTW techn. buffers
	DIN 19267	Reagecon
Permissible calibration range	Zero point	6 ... 8 pH
	With ISFET:	-750 ... +750 mV Operating point (asymmetry)
	Slope	Approx. 74 ... 104 %
Calibration timer ^{*)}	Interval 1 ... 99 days, can be switched off	
Sensoface	Provides information on the sensor condition	
	Evaluation of	zero/slope, response, calibration interval
Connections	2x socket, 4 mm dia., for separate temp. detector	
	1x M8 socket, 4 pins, for Memosens lab cable	
	1x micro USB-B for data transmission to PC	
	1x pH socket, to DIN 19262	
Display	LCD STN 7-segment display with 3 lines and icons	
	Status indicators	for battery power level, logger
	Notices	Hourglass
Keypad	[on/off], [cal], [meas], [set], [▲], [▼], [STO], [RCL], [clock]	

