Digital pH-meter "pH-2003"

PORTABLE METER.

FEATURES

Manual temperature compensation from 0 to 60 °C with sample temperature key pad entry (does not read temperature).
Automatic buffer recognition of two of those three buffers: pH4, pH7 and pH9.
Electrode connector: BNC type.
Includes: carry case and pH electrode.

SPECIFICATIONS

	Range	Precision	Resolution
pH:	0 to 14	±0.03	0.01
mV:	±1400	±2	1

Impedance: 5 x 10^{11} Ohm.

MODEL

Part No.	Height / Width / Depth cm			Power source	Weight Kg
4120300	17	7.5	3	2 x 1.5V batteries	0.5

See "Accessories for pH meters" for selection of electrodes (Page 247).

Digital pH meter "pH-2004"

PORTABLE METER WITH IP65 PROTECTION AGAINST WATER AND DUST.

FEATURES

Automatic temperature compensation and read out from 0 to 60 °C with temperature sensor Rt-2252. Results memory for up to 250 readings.
Protection against water and dust IP65 (Impermeable to water splashes from any direction.) Automatic buffer recognition and calibration for 1 or 2 buffers, recognition of up to 5 selectable buffers.
RS-232 output to connect a printer or a computer. Electrode connector: BNC type.
Includes: carry case, pH electrode and temperature sensor Rt-2252.
Direct connection to printer Part No. 4120113 (see page 247).
Universal arm support not included. Part No. 1001552 (see page 248).

SPECIFICATIONS

	Range	Precision	Resolution
pH:	0 a 14	±0.02	0.01
mV:	±1800	±2	1
Tª:	0 to 60	±0.5	0.1

Impedance: 1 x 10^{12} Ohm.

MODEL

Part No.	Height / Width / Depth cm			Power source	Weight Kg
4120400	20	10	4.5	4 x 1.5V AA Batteries	0.5

Part No. 1001552

ACCESSORY

pH probe and additional temperature sensor, gel filled. Temperature sensor Rt 2252. With IP65 protective connectors.
Part No. **4120401**

Digital pH meter "pH-2005"

BENCH TOP MODEL WITH LARGE SCREEN.

FEATURES

Automatic or manual temperature compensation from 0 to 99.9 °C Automatic buffer recognition and calibration of 2 buffers, recognition of up to 3 buffers: pH 4, pH 7 and pH9.21.
RS-232 output to connect a printer or a computer.
Electrode connection BNC.
Temperature sensor connection Rt-2252.
Includes electrode's support stand.

SPECIFICATIONS

	Range	Precision	Resolution
pH:	0 to 14	±0.02	0.01
mV:	±1999	±1	1
Tª (ºC):	0 to 99.9	±0.5	0.1

Impedance: 1 x 10^{12} Ohm.

MODEL

Part No.	Height / Width / Depth cm			Weight Kg
4120500	30	20	7.2	1.5

See accessories for electrode, temperature sensor and buffer solutions.
Not compatible with printer Part No. 4120113 (see page 247).

Digital pH meter "pH-2006"

BENCH TOP, LARGE GRAPHIC TOUCH SCREEN CONTROL.

RS232

FEATURES

Ergonomic touch screen control functions. Includes support arm.
Automatic temperature compensation from –5 to 105 °C.
Up to 5 buffer calibration with 10 buffer recognition.
Stores up to 200 results.
RS-232 output to connect a printer or a computer.
Electrode connector: BNC type.
Rt-2252 Temperature port.
Selectable resolution range.
Direct interface for printer Part No. 4120113 (see accessories).

SPECIFICATIONS

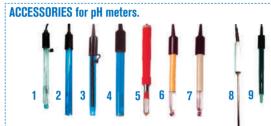|	Range	Precision	Resolution
pH:	-2 to 18	±0.01	0.001
mV:	±1999.9	±0.1	0.01
Tª (ºC):	-5 to 105.0	±0.3	0.1

Impedance: 1×10^{12} Ohm.
See accessories for electrodes, temperature probes, buffers and printer.

MODEL

Part No.	Height / Width / Depth cm	Weight Kg
4120600	29 20 7	1

ACCESSORIES for pH meters.

1 2 3 4 5 6 7 8 9

Universal arm support.
With holder for up to 4 sensors or electrodes.
Very stable heavy base.
Ideal for working at various heights.
Part No. **1001552**

pH Electrodes

Fig.	Part No.	Range pH	Sensor Tª	Temperature Range	Electrolyte	Dimensions mm	Material Body	Application
1	4120102	0 – 14	No	0 – 80°	Liquid	Ø 12 x 120	Glass	General laboratory use.
2	4120125	0 – 14	Yes	0 – 60°	Gel	Ø 12 x 120	Epoxy	Protective cover. General laboratory and external use.
3	4120101	0 – 14	No	0 – 60°	Gel	Ø 12 x 120	Epoxy	Protective cover. General laboratory and outside use.
4	4120114	0 – 10	No	0 – 60°	Gel	Ø 12 x 120	Epoxy	Surface analysis, Skin, meat, moist semisolids, culture media.
5	4120104	0 – 14	No	0 – 60°	Gel	Ø 12 x 120	Glass	Pointed sensor. Suitable for food, semi-solids, fruit meat etc.
6	4120103	0 – 14	No	0 – 80°	Gel	Ø 8 x 60	Glass	For measuring in tubes. Liquid solutions in general.
7	4120126	0 – 14	Yes	0 – 80°	Liquid	Ø 12 x 120	Glass	Fast response, liquids in general.

Temperature sensors

Fig.	Part No.	Range	Type	Dimensions mm	Material
8	4120121	0-100	Rt-2252	Ø 5 x 120	Stainless steel
9	4120120	0-100	Rt-2252	Ø 12 x 120	Glass

Ion selective electrodes

Part No.	Ion	Range	Limits	Range ºC	Range pH
4120168	Chloride Cl⁻	$1\text{-}3 \times 10^{-6}$	35.500 - 1	5-50	1-12
4120174	Nitrate NO⁻₃	$1\text{-}7 \times 10^{-6}$	62.000 - 0.4	0-50	2-11
4120177	Potassium K⁺	$1\text{-}10^{-6}$	39.000 - 0.04	0-50	1-9

pH Buffer solutions.

4120107   Flask 250 ml Buffer ±0.02 pH **4.00** at 20 ºC; 4.01 at 25 ºC
4120108   Flask 250 ml Buffer ±0.02 pH **7.02** at 20 ºC; 7.001 at 25 ºC
4120127   Flask 250 ml Buffer ±0.02 pH **9.23** at 20 ºC; 9.18 at 25 ºC
4120109   Frasco 250 ml **KCl 3M solution** (Electrolyte for pH electrodes)

MAGNETIC STIRRER "AGIMICRO"

Features
Maximum stir volume: 2 litres.
Adjustable stir speed from 40 to 1400 r.p.m.
Excellent chemical resistance.
Location hole at the back for a retort rod. (Accessory)

Control panel
Mains switch with luminous on indicator.
Analogue control of speed in r.p.m.

Ink printer (Not thermal).

For use with pH and conductivity meters .
Paper 2 1/4" (56 mm) wide roll.
Interface RS232.
Includes power transformer and
interface cables. (5V-3A)

Model

Part No.	Height / Width / Depth cm	Power source	Weight Kg
4120113	4 16 10	DC 5 V, 3 A	1

Model

Part No.	Medidas cm	Power source	Weight Kg
7001638	Ø 12 x 5	230 V 1 W	0.5

Supplied complete with a 8 Ø x 32 mm P.T.F.E. coated stir bar.

ACCESSORY
Support bar and electrode clamp.
Part No. **7001639**