

ELECTROCHEMISTRY



BOECO
PORTABLE PH/MV
METER
MODEL PT-370

BOECO PORTABLE PH/MV METER MODEL PT-370

- ▶ pH, Absolute and Relative mV ranges
- ▶ Automatic or Manual calibration
- ▶ Automatic or Manual Temperature Compensation
- ▶ Simultaneous pH and temperature reading
- ▶ 32 reading data storage
- ▶ Environmentally protected case to IP65
- ▶ Power on self test routine

The Model PT-370 is a general purpose, hand held pH/mV meter offering a 1 or 2 point pH calibration and automatic buffer recognition with manual override. The custom liquid crystal display simultaneously shows temperature compensated pH readings or electrode potential and temperature. Calibration errors are clearly indicated, together with the parameter in error.

An indication of battery life is also permanently shown on the display. An automatic switch off facility helps to conserve battery life.

The instrument is housed in a robust, ergonomically designed case protected to IP65.

The PT-370 will be delivered incl. the following standard accessories:

- 1 x ATC probe, each 1 x 100 ml Buffer solution pH 4,01, pH 7,00
- 1 x Batteries (fitted), 1 x Operating Manual, 1 x Carrying case

Code	Description
BOE 5190370	Portable pH/mVMeter, Model PT-370 in carrying case with standard accessories



BT-600

BOECO LABORATORY MICROPROCESSOR PH/ORP METER, MODEL BT-600

- ▶ Parallel temperature and function mode indication.
- ▶ Auto-Read: Fast and precise indication of stable measuring results.
- ▶ Auto-Test: Automatic function test of the instrument upon being turned on.
- ▶ Automatic temperature compensation: with a temperature sensor.
- ▶ Auto calibration: fully automatic calibration with Tech., NIST or ASY. Buffer

(Pre-set Tech. Buffer Values: pH 2.00; 4,01; 7,00; 12,00)

(Pre-set NIST. Buffer Values: pH 1,68; 4,01; 6,86; 9,18; 12,46)

If selecting Tech. And NIST. Buffer, single-, two-, and three-point calibration can be done. If selecting ASYmmetry Buffer, single- or two-point Calibration can be done

- ▶ Error codes: automatic prompt trouble-shooting actions with error codes on the display.
- ▶ Automatic memorization of the latest calibrated value.
- ▶ Data logger and RS-232 output

The BT-600 will be delivered incl. the following standard accessories:

- 1 x ATC probe, each 1 x 500 ml Buffer solution pH 4,01, pH 7,00
- 1 x 6V Ac adaptor, 4 x 1,5 V Batteries (size AA), 1 x Operating Manual, 1 x Flexible electrode holder

Code	Description
BOE 5196000	Laboratoy pH/mV/ORP Meter, Model BT-600, 220V
BOE 5196001	Laboratoy pH/mV/ORP Meter, Model BT-600, 110V

Specification	PT-370	BT-600
Modes:	pH, mV, °C	pH, mV, °C
Ranges: pH mV Temp.	-2 to 16 pH -1999 to +1999 mV -10...105 °C	-2,00 to 16,00 / 2.000 to 16.000 pH -1999 to +1999 / -1999,9...+1,999,9 mV -10...+110 °C
Resolution: pH mV Temp.	0,01 pH 1 mV 0,1 °C	0,01 / 0,001 pH 1 / 0,1 mV 0,1 °C
Accuracy: pH mV Temp.	± 0,02 pH ± 1 mV ± 0,5 °C	0,01 / 0,001 pH ± 0,5 mV ± 0,4 °C
Temperature Compensation	Automatic 0 to 100 °C	Automatic with PT1000/NTC30K Manual
Display:	0,5" LCD with mode display	large backlit LCD, pH/mV parallel Temperature indication with function display.
Auto Function:	Auto buffer Auto calibration	Auto-Test, Auto-Read, Auto Buffer & Temp.registration, Auto Calibration (you can choose Tech., NIST and ASY Buffer) Error Code indication
Input Impedance:	10 ¹² Ωohms	10 ¹² Ωohms
RS 232 interface	no	yes
Data Storage:		500 sets
Power Requirement:	2 x AA batteries	4 x AA batteries or with AC adaptor
Battery life:	500 hours	100 hours
Dimensions:	175x75x35 mm (LxWxH)	220x190x70 mm (LxWxH)
Weight:	0,25 kg	0,8 kg

BOECO ELECTRODES

The electrodes are not included with the pH meters and have to be ordered separately:

Basic pH combination electrode BA 25, Noryl plastic shaft, gel electrolyte, 0...14 pH, -5...80°C, with BNC plug, 1m cable, fibre diaphragm.

Code	Description
BOE 5095695	Basic pH combination electrode BA 25

Basic pH combination electrode BA 17, glass shaft, liquid electrolyte, 0...14 pH, 0...100°C, with BNC plug, 1m cable. With leak proof refill opening, platinum diaphragm

Code	Description
BOE 5095626	Basic pH combination electrode BA 17



BOECO ELECTRODES



WATERPROOF PEN PH TESTER WITH EXCHANGEABLE ELECTRODE

PH TESTER

Waterproof Pen PH Tester with exchangeable electrode

Specification:

Range:	0,0 – 14.0 pH
Resolution:	0,01 pH
Accuracy:	±0,05 pH
Calibration:	1 point
Operating temp:	0 – 50 °C
Power:	DC 3 x 1,5 V (Button Battery)
Dimensions :	150 x 22 x 20 mm

Code	Description
BOE 5190901	Waterproof Pen PH Tester
BOE 5190114	Spare electrode

PH METER

Pocket pH-Meter with direct BNC electrode

Specification:

Range:	0,0 – 14.0 pH
Resolution:	0,1 pH
Accuracy:	0,1 pH
Calibration:	Two points at 4,01 pH plus 6.86 or 9.18 pH
Connection:	Direct BNC
Power:	4 button batteries SR 44
Battery Life:	300-500 hrs
Dimensions:	135 (L) x 47 (W) x 20 (H) mm
Weight:	165 gr.

Specification electrode:

Measuring Range:	0,0 – 14.0 pH
Temp. Range:	0 – 60 °C
pH value of zero point:	7 ± 1 pH
Impedance:	< 120 mΩ (at 25°C)
Size:	160 mm length
Plug:	BNC
Junction:	Fiber/Ceramic
Reference cell:	Ag/AgCl, KCL/gel
Application:	General Lab use with pHmeters

Code	Description
BOE 5190000	Pocket-pH meter, complete with BNC electrode
BOE 5190014	Spare BNC electrode



POCKET PH-METER WITH DIRECT BNC ELECTRODE

PH INDICATORS

pH-Fix is the most popular indicator stick for all purposes. the indicator dyes are chemically bound to the cellulose fibres, avoiding bleeding even in strong alkaline samples. Presentation: Box of 100 sticks 6 x 85 mm

Code	Description
M-N 92110	pH-Fix 0,14, pH Graduation 1,0

The budget priced universal indicator papers can be used for most standard applications. For each pH-value these papers show a single colour which can be matched with the colour scale at an interval of 1 pH-unit.es. Presentation: Reel of 5 m length and t mm width

Code	Description
M-N 90201	pH-Universal Indicator Paper, pH 1-11, pH Graduation 1,0
M-N 90204	pH-Universal Indicator Paper, pH 1-14, pH Graduation 1,0/2,0



PH INDICATORS