

ELECTROCHEMISTRY

BOECO PORTABLE PH/ORP/TEMP METER MODEL PT-380



BOECO PORTABLE
PH/ORP/TEMP METER
MODEL PT-380



- ▶ Simultaneous displays pH or mV and temperature.
- ▶ Convenient calibration with automatic buffer recognition of European and US buffer sets. Calibration data is stored in memory and is ready for use on power up.
- ▶ Automatic or manual temperature compensation
- ▶ Automatic lock mode and end point sensing are available to lock in stable readings
- ▶ 50 data set reviewable memory
- ▶ Automatic shut off function (30 minutes of non-use)
- ▶ Battery life 1000 hours
- ▶ Low battery indicator
- ▶ IP65 waterproof case

The PT-380 will be delivered incl. the following standard accessories:
1 x ATC probe 6000AST, each 1 x 100 ml BOECO Buffer solution pH 4,01, pH 7,00, 1 x 9 V Battery, 1 x Operating Manual, 1 x Carrying case

Specification:

| | | |
|----------------------------------|-------|---|
| Modes: | | pH, mV, °C |
| Ranges: | pH | -2 to 16 pH |
| | mV | -1999 to +1999 mV |
| | Temp. | -10...120 °C |
| Resolution: | pH | 0,01 pH |
| | mV | 1 mV |
| | Temp. | 0,1 °C |
| Accuracy: | pH | ± 0,01 ± 1 digit |
| | mV | ± 0,1 % |
| | Temp. | ± 0,5 °C |
| pH Buffer Recognition: | | US (4,01, 7,00, 10,01) NIST (4,00, 686, 918) user selectable |
| pH Electrode Offset Recognition: | | ±90mV at pH 7,00 or 6.86 |
| pH Electrode Slope Recognition: | | ±30% at pH 4,00,4,01,9,18 or 10,01 |
| pH Temp.Compensation: | | Auto / manual -10,0 to 120 °C |
| Input Impedance: | | 10 ¹² ohms |
| Temperature sensor: | | Thermistor, 10K ohms at 25°C |
| RS 232 interface: | | no |
| Power Requirement: | | 9 Volt battery |
| Dimensions: | | 198x70x37 mm (LxWxH) |
| Weight: | | 0,26 kg (Battery included) |

| Code | Description |
|-------------|--|
| BOE 5190380 | Portable pH/ORP/Temperature Meter, Model PT-380 in carrying case with standard accessories without electrode |

BOECO ELECTRODES

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

| Code | Description |
|-------------|--|
| BOE 5095695 | Basic pH combination electrode BA 25, Noryl plastic shaft, gel electrolyte, 0...14 pH, -5...80°C, with BNC plug, 1m cable, fibre diaphragm |
| BOE 5095626 | 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 |



BOECO ELECTRODES

BOECO MICROPROCESSOR BENCH TOP 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.
 - ▶ Optional Data logger and RS-232 output available

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, 1 x Operating Manual, 1 x Flexible electrode holder

Specification:

| | | |
|--------------------------|--|--|
| Modes: | pH, mV, °C | |
| Ranges: | pH | -2,00 to 16,00 / 2.000 to 16.000 pH |
| | mV | -1999 to +1999 / -1999,9...+1,999,9 mV |
| | Temp. | -10...+110 °C |
| Resolution: | pH | 0,01 / 0,001 pH |
| | mV | 1 / 0,1 mV |
| | Temp. | 0,1 °C |
| Accuracy: | pH | 0,01 / 0,001 pH |
| | mV | ± 0,05 mV |
| | Temp. | ± 0,4 °C |
| Temperature Compensation | Automatic with PT1000/NTC30K Manual | |
| Display: | large backlit LCD, pH/mV parallel Temperature indication with function display. | |
| Auto Function: | 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 ohms | |
| RS 232 interface | yes (optional) | |
| Data Storage: | 500 sets | |
| Power Requirement: | 4 x AA batteries or with AC adaptor | |
| Battery life: | 100 hours | |
| Dimensions: | 220x190x70 mm (LxWxH) | |
| Weight: | 0,8 kg | |

| Code | Description |
|-------------|--|
| BOE 5196000 | Bench Top pH/mV/ORP Meter, Model BT-600, 220V with standard accessories, without electrode |
| BOE 5196001 | Bench Top pH/mV/ORP Meter, Model BT-600, 110V with standard accessories, without electrode |

Optional

| Code | Description |
|-------------|-------------------------|
| BOE 5196010 | RS-232 connection cable |



BT-600