

ELECTROCHEMISTRY

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:

pH

Range	Resolution	Accuracy
-2 to 16,00 pH	0,01 pH	$\pm 0,01 \pm 1$ digit

mV

Range	Resolution	Accuracy
-1999 to 1999 mV	1 mV	$\pm 0,1 \%$

Temperature

Range	Resolution	Accuracy
-10,0 to 120,0 °C	0,1 °C	$\pm 0,5 \%$

pH buffer recognition:	US (4,01, 7,00, 10,01) NIST (4,00, 6,86, 9.18) user selectable
pH electrode offset Recognition:	± 90 mV at pH 7,00 or 6.86
pH electrode slope Recognition:	$\pm 30\%$ 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 (LxWxH):	198 x 70 x 37 mm
Weight:	0,26 kg (1 x 9V Battery included)

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



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



BOECO ELECTRODES

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

Code	Description
BOE 5190600	Basic pH combination electrode, BA ECO plastic PC shaft, gel electrolyte, 0...14 pH, 0...80°C, with BNC plug, 1m cable, glass sensor
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 PH/ORP/TEMP BENCH TOP METER MODEL BT-700

- » LCD display with backlight showing pH / ORP and temperature readings
- » Up to 5 point calibration for pH and one point calibration for and ORP
- » Automatic buffer recognition (NIST and USA)
- » Automatic or manual temperature compensation
- » Bluetooth function to connect to tablets
App name **BOECO E-Chem BT-700 (App Store / Googleplay)**
- » When the unit is connected to a bluetooth device, the user can store data into the device that meets GLP requirements
- » AC adaptor or battery power (low battery indicator)

The BT-700 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 AC adaptor, 1 x operating Manual, 1 x flexible electrode holder.
6 x 1,5 V AAA batteries

Specification:

pH

Range

-2 to 16,00 pH

Resolution

0.01 pH

Accuracy

± 0,01

mV

Range

-1999,9 to 1999,9 mV

Resolution

0,1 mV

Accuracy

A 0,05 % full scale

Temperature

Range

-10 to 120,0°C

Resolution

0,1°C

Accuracy

±0,2°C

pH buffer recognition:

US (1,68, 4,01, 7,00, 10,01, 12,46) or
NIST (1,68, 4,00, 6,86, 9,18, 12,46)
user selectable

Buffer temp. range

0 - 60,0 °C

pH calibration

Up to 5 points

ORP calibration:

1 point Offset ±150mV

ATC :

Auto / manual -10,0 to 120°C

Input impedance:

>1x10¹² ohms

Connectivity:

Bluetooth

Memory:

When the unit is connected to a bluetooth device, the user can store data into the device that meets GLP requirements

Temperature sensor:

Thermistor, 10K ohms at 25°C

Power requirement:

6 x 1,5 Volt AAA Alkaline batteries or
AC adaptor

Case:

IP54 waterproof

Dimensions (LxWxH):

210 x 150 x 45 mm

Weight:

0,43 kg

Code

BOE 5196700

Description

Bench Top pH/mV/Temp Meter, Model BT-700,
AC adaptor with attachable EURO/US plug
with standard accessories, without electrode



BT-700