

BOECO MULTIPARAMETER PH/ORP/
CONDUCTIVITY/TDS/SALINITY/RESISTIVITY/
TEMP.BENCH TOP METER
MODEL MBT-700

- ▶ LCD with backlight showing pH / ORP or Conductivity / TDS / Salinity and temperature readings
- ▶ Two channel measurement allows measuring ph/ORP and Conductivity/TDS/ Salinity simultaneously
- ▶ Up to 5 point calibration for pH and one point calibration for conductivity
- ▶ Automatic or manual temperature compensation
- ▶ Automatic buffer recognition (NIST and USA)
- ▶ Bluetooth function to connect to smartphone, tablets or PC
- ▶ When the unit is connected to a bluetooth device, the user can store data into the device that meets GLP requirements.

The MBT-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

Specification:

Conductivity K = 0,475

Range	Resolution	Accuracy
0,0 to 475µS/cm	0,1µS/cm	±1% of reading +2µS/cm
475 to 4750µS/cm	1µS/cm	±1% of reading +5µS/cm
4,75 to 47,50mS/cm	0,01mS/cm	±1% of reading +0,05mS/cm
47,5 to 200,0mS/cm	0,1mS/cm	±2,5% of reading +0,5mS/cm

Conductivity K = 0,1

Range	Resolution	Accuracy
0.00 to 99,99µS/cm	0,01µS/cm	±1% of reading
100 to 200µS/cm	0,1µS/cm	±1% of reading

TDS

Range	Resolution	Accuracy
0,001mg/l to 200,0g/l	0,001/0,01/0,1/1mg/l	±0,5% Full Scale 0.01/0,1 g/l

Salinity

Range	Resolution	Accuracy
0.0 to 80,0 ppt	0,1 ppt	±0,5 % Full Scale

pH

Range	Resolution	Accuracy
-2,00 to 16,00 pH	0,01 pH	±0,01pH

mV

Range	Resolution	Accuracy
-1999,9 to 1999,9 mV	0,01 mV	±0,05% Full Scale

Temperature

Range	Resolution	Accuracy
-10,0 to 120,0°C	0,1°C	±0,4°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)
mV Offset	±150 mV
pH calibration:	Up to 5 points
Conductivity Calibration:	1 point in each range
ATC :	Auto / manual 0,0 to 120°C
Input impedance:	>3x10 ¹² ohms
Temperature sensor:	Thermistor, 10K ohms at 25°C
Memory:	When the unit is connected to a bluetooth device, the user can store data into the device that meets GLP requirements
pH electrode connection:	BNC
Conductivity cell connection:	6 PIN connector
Connectivity:	Bluetooth
Power requirement:	6 x 1,5 Volt AAA Alkaline batteries or AC adaptor
Dimensions (LxWxH):	210 x 150 x 45 mm
Weight (net):	approx. 430 g

Code	Description
BOE 5197700	Bench Top pH/mV/Ion/Temp Meter, Model MBT-700, AC adaptor, with standard accessories



Available Q4/2018 !