

This document courtesy of:



[Data Weighing Systems, Inc.](#)

[Contact Us](#)

For immediate assistance call
1-800-750-6842

Economy Hand-held Conductivity Meter PT-20

Electrochemistry



- Conductivity, TDS and salinity measurements modes
- Compensated and Uncompensated conductivity measurements
- Automatic and Manual temperature compensation
- User selectable Cell Constants $K=0.1, 1.0, 10.0 \text{ cm}^{-1}$
- Automatic sensor check displayed during calibration
- Simultaneous display of conductivity and temperature readings
- IP65 waterproof rated

Measuring range

Conductivity	0.0 to 199.0 mS/cm
Salinity	0.0 to 70 ppt
TDS	0.0 to 99.9 g/L
Temperature in °C	- 5.0 to 90.0

Resolution

Conductivity	0.01 $\mu\text{S}/\text{cm}$ to 1 mS/cm *
Salinity	0.1 ppt
TDS	0.01 mg/L to 1 g/L *
Temperature in °C	0.1

Accuracy

Conductivity	+/- 0.5% max value of sub-range
Salinity	+/- 1.0% FS
TDS	+/- 0.5% max value of sub-range
Temperature in °C	+/- 0.5
Selectable TDS Factor	0.3 to 1.00 (default 0.5)
Selectable Temperature Coefficient	0.00 to 4.00%/°C
Housing Dimension in mm	205 x 80x 30
Net weight with batteries	0.8 lbs

* Depends on the nominal K constant of the sensor used

Product profile

The economy hand-held meter PT-20 is easy to operate anywhere in the field when you need accurate conductivity measurements at an economic price.

Two meter kits are available:

PT-20

Conductivity Meter with four 1.5 Volt AA batteries

PT-20/C

Conductivity Meter with four 1.5 Volt AA batteries, and 2-Band $K= 1.0 \text{ cm}^{-1}$ conductivity sensor with built-in temperature sensor PY-CL1

Key accessories

2 Band Conductivity Cell $K=0.01 \text{ cm}^{-1}$ with built-in temperature sensor	PY-CL01
2 Band Conductivity Cell $K=1.0 \text{ cm}^{-1}$ with built-in temperature sensor	PY-CL1
2 Band Conductivity Cell $K=10.0 \text{ cm}^{-1}$ with built-in temperature sensor	PY-CL10
Conductivity Standard 0.084 mS/cm	PY-Y10
Conductivity Standard 0.147 mS/cm	PY-Y11
Conductivity Standard 1.413 mS/cm	PY-Y12
Conductivity Standard 12.88 mS/cm	PY-Y13
Field Kit includes: durable carrying case, Four sample bottles	YDB01PF

Sartorius AG
Weender Landstrasse 94-108
37075 Goettingen, Germany

Phone +49.551.308.0
Fax : +49.551.308.3289
info.mechatronics@sartorius.com
www.sartorius-mechatronics.com

Specifications subject to change without notice.

Current status: July 2009
Version: 1.0