

EBI 12-TC230 Temperature / Conductivity Data Logger Conductivity measurement



In processes like e.g. washer disinfectors, the measurement of conductivity in the last dishwater is required. This is reasonably done in the running process without any interruption.



Technical Data

Measurement range: temperature	0 °C ... +125 °C (+32 °F ... +257 °F)
Measurement range: conductivity	1 ... 2,000 µS/cm
Accuracy: temperature	± 0.2 °C
Accuracy: conductivity	± 0.5 µS (1 µS/cm .. 20 µS/cm) ± 1.0 µS (20.1 µS/cm .. 100 µS/cm) ± 2.5% of measured value (100.1µS/cm ... 1500µS/cm) ± 5% from the measurement range (remaining range)
Resolution: temperature	0.01 °C
Resolution: conductivity	0.1 µS/cm
Data memory	2 x 50,000 measurement values
Sensor: temperature	Pt 1000
Sensor: conductivity	Conductivity electrode
Measurement mode	<ul style="list-style-type: none"> • Endless measurement immediately • Start / Stop measurement • Measure immediately until end of memory
Storage temperature	0 °C ... +125 °C (+32 °F ... +257 °F)
Max. operating pressure (burst pressure)	2.5 bar (abs.)
Battery	Lithium cell, user replaceable
Dimensions (D x H)	48 mm x 130 mm
Housing material	316 L Stainless steel / PEEK
Protection class	IP 68
Factory calibration certificate	0 °C, +60 °C and +121 °C 5 µS/cm, 100 µS/cm, 1413 µS/cm at +25 °C
Radio mode	Not possible

- 1 external temperature probe
- 1 external conductivity probe

Approximately available from Q2 2019

Type	Description	Part No.
EBI 12-TC230	Temperature/Conductivity	1340-6667

EBI 12-T480 Temperature Data Logger with strip to connect an external sensors



Sometimes it is necessary to record data with independent probes.

Technical Data

Measurement range	-200 °C ... +400 °C (-328 °F ... +732 °F)
Data memory	2 x 50,000 measurement values
Measurement mode	<ul style="list-style-type: none"> • Endless measurement immediately • Start / Stop measurement • Measure immediately until end of memory
Operating temperature	-90 °C ... +150 °C (-130 °F ... +302 °F)
Battery	Lithium cell, 3.6 V, user replaceable
Dimensions (D x H)	46 mm x 35 mm
Housing material	316 L Stainless steel / PEEK
Protection class	IP 52
Factory calibration certificate	-200 °C, -50 °C, 0 °C, +60 °C, +134 °C, +250 °C and +400 °C

- Strip for 2 external Pt 1000 sensors

Type	Description	Part No.
EBI 12-T480	Temperature Data Logger with terminal strip	1340-6633
PT 1000 Sensor	10 cm wires	1341-1810