



Temperature & Pressure Data Logger EBI 12

for process control and validation in steam sterilizers, washer disinfectors

RED LINE

The EBI 12 data logger is distinguished by its fast response time.

- High temperature accuracy of up to 0.05 °C
- External temperature sensor, Ø1.95 mm, rigid, axial

Technical Data:

Operating temperature	0 °C ... +150 °C
ATEX approved	Yes
Permissible ambient conditions in the hazardous area	0 °C ... +85 °C 100 Pa ... 400 kPa
Measurement range: temperature	0 °C ... +150 °C
Measurement range: pressure	1 ... 4,000 mbar
Accuracy: temperature	± 0.1 °C (0 °C ... +120 °C) ± 0.05 °C (+120 °C ... +140 °C) ± 0.1 °C (+140 °C ... +150 °C)
Accuracy: pressure	± 15 mbar (1 mbar ... 49 mbar) ± 10 mbar (50 mbar ... 150 mbar) ± 15 mbar (151 mbar ... 2,049 mbar) ± 10 mbar (2,050 mbar ... 2,250 mbar) ± 15 mbar (2,241 mbar ... 2,999 mbar) ± 10 mbar (3,000 mbar ... 3,250 mbar) ± 15 mbar (3,251 mbar ... 3,499 mbar) ± 20 mbar (3,500 mbar ... 4,000 mbar)
Resolution: temperature	0.01 °C
Resolution: pressure	1 mbar
Data memory	2x 33,440 measurements
Sensor: temperature	PT1000, class A
Sensor: pressure	Piezoresistive pressure sensor
Measurement interval	250 ms ... 24 hours
Real Time data transmission	Yes
Storage temperature	-20 °C ... +70 °C
Measurement modes	<ul style="list-style-type: none"> • endless measurement • Measure upon starttime • Start immediately until end of memory • Start- / Stop measurement
Battery	Lithium, 3.6 V, User-replaceable
Dimensions	(Ø x H) 48 mm x 24 mm
Weight	app. 90 g
Housing material	316 L stainless steel / PEEK
Protection class	IP68
Factory Calibration Certificate	0 °C, +60 °C and +134 °C 100 mbar and 3,100 mbar (at +25 °C) 3,100 mbar (at +134 °C)

EBI 12-TP231-EX



Standards and Directives:

- 2014/34/EU ATEX Directive
- (EC) 1935/2004 Materials and articles which come into contact with food
- ISO 17665 Sterilization of health care products — Moist heat
- ISO 15883 Washer Disinfectors

ATEX-Type



II1G Ex ia IIC T4 Ga

Type	Description	Part-No.
EBI 12-TP231-EX	L = 40 mm, Luer-Lock-connection	1340-6655-EX

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