



# Temperature & Pressure Data Logger EBI 12

for process control and validation in small sterilizers

## RED LINE

## EBI 12-TP451

The EBI 12 data logger is characterized by its fast response speed and flexibility.

- Version with 3 flexible cable sensors
- External temperature sensor, Ø1.20 mm, axial

### Technical Data:

Operating temperature	0 °C ... +150 °C
Measurement range	0 °C ... +150 °C
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	4x 20,064 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"> <li>• endless measurement</li> <li>• Measure upon starttime</li> <li>• Start immediately until end of memory</li> <li>• Start- / Stop measurement</li> </ul>
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)



### Standards and Directives:

- EN 285  
Sterilization, steam sterilizers, medical equipment
- EN 13060  
small steam sterilizers
- ISO 17665  
Sterilization of health care products — Moist heat
- 2014/53/EU  
Radio Equipment Directive - RED

Type	Description	Part-No.
EBI 12-TP451	L = 600 mm, Luer-Lock	1340-6643