

Mini Temperature Data Loggers EBI 11 Series

General technical specifications: valid for all EBI 11-T logger types

Operating temperature	-30 °C ... +150 °C (-22 °F ... +302 °F)
Accuracy	±0.2 °C (-30 °C ... +0 °C) ±0.1 °C (0 °C ... +150 °C)
Time accuracy (24h)	< 5 sec
Resolution: temperature	0.01 °C
Data memory	15,000 measurements (total)
Sensor	Pt 1000, Class A
Sampling rate	1 sec ... 24 h
Measurement mode	• Endless measurement • Start / Stop measurement • Measure upon start time • Start immediately until end of memory
Storage temperature	-20 °C ... +70 °C (-4 °F ... +158 °F)
Max. operating pressure	20 bar (abs.)
Battery	Lithium button cell, 2 x BR1225 A, 3V, replaceable
Dimensions (Ø x H)	16,5 mm x 24 mm*
Weight	Approximately 45 g *
Housing material	Stainless Steel (V4A)
Protection class	IP68
Certificate	Factory calibration certificate
* Dimensions and weight may be different depending on the type.	

Product lines



Data loggers with this symbol are characterized by their very small size. For this reason, they are used in the smallest of spaces, for example to control pasteurization in bottles or to carry out thermal tests in small sterilizers.



Data loggers with this symbol are characterized by their very small size. That is why they are very popular with food manufacturers for testing the effects of temperature during pasteurization.

EBI 11-T210 Mini Temperature Data Logger
rigid metal probe



Technical Data

Measurement range: temperature	-30 °C ... +140 °C (-22 °F ... +284 °F)
Data memory	15.000 measurement values
Factory calibration certificate	0 °C, +60 °C and +134 °C

- 1 external temperature probe, axial, pointed, Ø 3 mm
- Probe with M5 external thread

Type	Description	Part No.
EBI 11-T210	Needle Length = 20 mm	1340-6260

EBI 11-T230 to T233 Mini Temperature Data Logger
rigid metal probe



Technical Data

Measurement range: temperature	-30 °C ... +150 °C (-22 °F ... +302 °F)
Data memory	15,000 measurement values
Factory calibration certificate	0 °C, +60 °C and +134 °C

- 1 external temperature probe, axial, pointed, Ø 3 mm
- Probe with M5 external thread

Type	Description	Part No.
EBI 11-T230	Needle Length = 20 mm	1340-6290
EBI 11-T231	Needle Length = 50 mm	1340-6292
EBI 11-T233	Needle Length = 100 mm	1340-6293

EBI 11-T235 to T237 Mini Temperature Data Logger *rigid metal probe*



Technical Data

Measurement range: temperature	-30 °C ... +150 °C (-22 °F ... +302 °F)
Data memory	15,000 measurement values
Factory calibration certificate	0 °C, +60 °C and +134 °C

- 1 external temperature probe, axial, blunt, Ø 1.95 mm
- Probe with M5 external thread

Type	Description	Part No.
EBI 11-T235	Needle Length = 25 mm	1340-6270
EBI 11-T236	Needle Length = 80 mm	1340-6271
EBI 11-T237	Needle Length = 165 mm	1340-6272

EBI 11-T240 Mini Temperature Data Logger *bendable metal probe*



Technical Data

Measurement range: temperature	-30 °C ... +150 °C (-22 °F ... +302 °F)
Data memory	15.000 measurement values
Factory calibration certificate	0 °C, +60 °C and +134 °C

- 1 external temperature probe, axial, bendable, Ø 1.5 mm

Type	Description	Part No.
EBI 11-T240	Needle Length = 250 mm	1340-6291

Mini Temperature / Pressure Data Loggers EBI 11 Series

General technical specifications: valid for all EBI 11-P logger types

Operating temperature	0 °C ... +150 °C (+32 °F ... +302 °F)
Accuracy: temperature	±0.1 °C (0 °C ... +150 °C)
Accuracy: pressure	±15 mbar (0 mbar ... 4,000 mbar) ±20 mbar (4,000 mbar ... 10,000 mbar)
Time accuracy (24h)	< 5 sec
Resolution: temperature	0.01 °C
Resolution: pressure	1 mbar
Data memory	7,500 measurement values per channel
Sensor: temperature	Pt 1000, Class A
Sensor: pressure	Piezoresistive (temperature compensated)
Sampling rate	1 sec ... 24 h
Measurement mode	• Endless measurement • Start / Stop measurement • Measure upon start time • Start immediately until end of memory
Storage temperature	-20 °C ... +70 °C (-4 °F ... +158 °F)
Max. operating pressure	20 bar (abs.)
Battery	Lithium, 2x BR1225A, 3V, user replaceable
Dimensions (Ø x H)	16,5 mm x 48 mm*
Weight	Approximately 45 g *
Housing material	Stainless Steel (V4A)
Protection class	IP68
Certificate	Factory calibration certificate

* Dimensions and weight may be different depending on the type.



EBI 11-P100 Mini Temperature / Pressure Data Logger internal sensor



Technical Data

Measurement range: temperature	0 °C ... +150 °C (+32 °F ... +302 °F)
Measurement range: pressure	1 mbar ... 10,000 mbar
Data memory	2 x 7,500 measurement values
Factory calibration certificate	0 °C, +60 °C and +134 °C 100 mbar, 3,100 mbar, 6,000 mbar at +25 °C and 3,100 mbar at +134 °C

- 1 internal temperature sensor
- 1 internal pressure sensor

Type	Description	Part No.
EBI 11-P100	Without pressure connector	1340-6295

EBI 11-P111 Mini Temperature / Pressure Data Logger Luer-Lock connection



Technical Data

Measurement range: temperature	0 °C ... +150 °C (+32 °F ... +302 °F)
Measurement range: pressure	1 mbar ... 10,000 mbar
Data memory	2 x 7,500 measurement values
Factory calibration certificate	0 °C, +60 °C and +134 °C 100 mbar, 3,100 mbar, 6,000 mbar at +25 °C and 3,100 mbar at +134 °C

- 1 internal temperature sensor
- 1 internal pressure sensor

Type	Description	Part No.
EBI 11-P111	Luer-Lock connection	1340-6296

EBI 11-TP110 Mini Temperature / Pressure Data Logger
M5 thread connection



Technical Data

Measurement range: temperature	0 °C ... +150 °C (+32 °F ... +302 °F)
Measurement range: pressure	1 mbar ... 10,000 mbar
Data memory	2 x 7,500 measurement values
Factory calibration certificate	0 °C, +60 °C and +134 °C 100 mbar, 3,100 mbar, 6,000 mbar at +25 °C and 3,100 mbar at +134 °C

- 1 internal temperature sensor
- 1 internal pressure sensor

Type	Description	Part No.
EBI 11-TP110	M5 thread	1340-6297

EBI 11-TP210 Mini-Temperature / Pressure Data Logger
M5 thread connection



Technical Data

Measurement range: temperature	0 °C ... +140 °C (+32 °F ... +284 °F)
Measurement range: pressure	1 mbar ... 8,000 mbar
Accuracy: temperature	±0.1 °C
Accuracy: pressure	±20 mbar (1 mbar ... 4,000 mbar) ±40 mbar (4,000 mbar ... 8,000 mbar)
Data memory:	2 x 7,500 measurement values
Factory calibration certificate	0 °C, +60 °C and +134 °C 100 mbar, 3,100 mbar, 6,000 mbar at +25 °C and 3,100 mbar at 134 °C

- 1 internal temperature sensor
- 1 internal pressure sensor

Type	Description	Part No.
EBI 11-TP210	Pressure data logger with M5 thread	1340-6265

Accessories for EBI 11 and 12



Set SI 1100
for EBI 12 and EBI 11

- 2-port Interface IF 100
- Software Winlog.pro
- USB connection
- Colored LEDs signaling programming, readout and incorrect development



Set SI 1300
for EBI 11

- 4-port Interface IF 300
- Software Winlog.pro
- USB connection
- Colored LED signalling programming, readout and incorrect development



Set SI 2100
for EBI 12 and EBI 11

- 2-port Interface IF 100
- Software Winlog.med
- USB connection
- Colored LEDs signaling programming, readout and incorrect development



Set SI 3300
for EBI 11

- 4-port Interface IF 300
- Software Winlog.validation
- USB connection
- Colored LED signalling programming, readout and incorrect development





Battery change set AL 113
for EBI 11

Suitable for 3 battery exchanges; contains 6 batteries, 3 O-rings with grease and changing tools.



AL 114 can/bag adapter set
for EBI 11-T210, EBI 11-T230, EBI 11-T231
and EBI 11- T233



Bottle adapter set AL 115
for EBI 11-T210 and EBI 11-T230

Battery change set AL 113L
for EBI 11

Suitable for 10 battery exchanges; contains 20 batteries, 10 O-rings with grease and changing tools.

Type	Description	Part No.
SI 1100	Set: EBI IF 100 interface and Winlog.pro software	1340-6061
SI 1300	Set: EBI IF 300 interface and Winlog.pro software	1340-6063
SI 2100	Set: EBI IF 100 interface and Winlog.med software	1340-6064
SI 3300	Set: EBI IF 300 interface and Winlog.validation software	1340-6069
AL 113	Battery changing set for EBI 11	1100-0120
AL 113L	Battery changing set for EBI 11	1100-0125
AL 114	Can / bag adapter set for EBI 11-T210, EBI 11-T230, EBI 11-T231 and EBI 11-T233	1340-6298
AL 115	Bottle adapter set for EBI 11-T210 and EBI 11-T230	1340-6299

