

EBI 12-T100 Temperature Data Logger with internal temperature sensor



Application sample

- For process monitoring during convenience food production
- For routine control in badpan washers
- For temperature mappings



Technical Data

Measurement range	-90 °C ... +150 °C (-130 °F ... +302 °F)
Data memory	100,000 measurement values

- 1 internal temperature sensor
- Particularly robust

Type	Description	Part No.
EBI 12-T100	Internal temperature sensor	1340-6600

EBI 12-T100-EX Temperature Data Logger with internal temperature sensor



Application sample

- To measure in raw material storage



Technical Data

Use in EX Area	-40 °C ... +85 °C (-40 °F ... +185 °F)
Data memory	100,000 measurement values

Approximately available from end of Q1 2018

- 1 internal temperature sensor
- Particularly robust

Type	Description	Part No.
EBI 12-T100-EX	Internal temperature sensor	1340-6600-EX

EBI 12-T101 Temperature Data Logger
with internal temperature sensor



Application sample

- For use in dry ice and in cryogenic
- In bedpan washers and washing machines



Technical Data

Measurement range	-90 °C ... +105 °C (-130 °F ... +221 °F)
Accuracy	± 0.5 °C (-90 °C ... -40 °C) ± 0.3 °C (-40 °C ... +105 °C)
Sampling rate	1 s ... 24 h
Data memory	27,000 measurement values

- 1 internal temperature sensor
- Particularly robust

Type	Description	Part No.
EBI 12-T101	Internal temperature sensor	1340-6601

EBI 12-T21X Temperature Data Logger
rigid metal probe



Application sample

- For process monitoring during convenience food production

Technical Data

Measurement range	-40 °C ... +150 °C (-40 °F ... +302 °F)
Accuracy	± 0.1 °C (0 °C ... +150 °C) ± 0.3 °C (-40 °C ... 0 °C)
Sampling rate	1 s ... 24 h
Data memory	27,000 measurement values



- 1 external temperature probe, Ø 3 mm
- Radial pointed

Type	Description	Part No.
EBI 12-T210	Needle length = 50 mm	1340-6602
EBI 12-T211	Needle length = 75 mm	1340-6603

EBI 12-T23X Deep Temperature Data Logger

rigid metal probe



Application sample

- Ideal for use in canning for pasteurization control

Technical Data

Measurement range	-40 °C ... +150 °C (-40 °F ... +302 °F)
Accuracy	± 0.1 °C (0 °C ... +150 °C) ± 0.3 °C (-40 °C ... 0 °C)
Sampling rate	1 s ... 24 h
Data memory	27,000 measurement values

- Axial pointed, M5 Thread
- 1 external temperature probe, Ø 3 mm
- Various needle length available

Type	Description	Part No.
EBI 12-T230	Needle length = 50 mm	1340-6606
EBI 12-T231	Needle length = 75 mm	1340-6607
EBI 12-T232	Needle length = 100 mm	1340-6608
EBI 12-T233	Needle length = 150 mm	1340-6609

EBI 12-T43X Temperature Data Logger

rigid metal probes



Application sample

- Ideal for use in canning for pasteurization control

Technical Data

Measurement range	-40 °C ... +150 °C (-40 °F ... +302 °F)
Accuracy	± 0.1 °C (0 °C ... +150 °C) ± 0.3 °C (-40 °C ... 0 °C)
Sampling rate	1 s ... 24 h
Data memory	2 x 13,500 measurement values

Approximately available from end of Q2 2018

- Axial pointed, M5 Thread
- 2 external temperature probes, Ø 3 mm
- Various needle length available

Type	Description	Part No.
EBI 12-T430	Needle length = 50 mm	1340-6614
EBI 12-T431	Needle length = 75 mm	1340-6615
EBI 12-T432	Needle length = 100 mm	1340-6616
EBI 12-T433	Needle length = 150 mm	1340-6617

EBI 12-T46X **Bottle Logger**
rigid metal probe



- Application sample
- Ideal for use in bottles

Technical Data

Measurement range	-40 °C ... +150 °C (-40 °F ... +302 °F)
Accuracy	± 0.3 °C (-40 °C ... +150 °C)
Sampling rate	1 s ... 24 h
Data memory	2 x 13,500 measurement values

Approximately available from end of Q2 2018

- Axial, blunt, M10 thread
- 1 external temperature probe, Ø 6 mm
- 1 external temperature probe, Ø 3 mm
- Various needle lengths available

Type	Description	Part No.
EBI 12-T461	Needle length = 135 mm	1340-6623
EBI 12-T462	Needle length = 190 mm	1340-6624
EBI 12-T463	Needle length = 245 mm	1340-6625
EBI 12-T464	Needle length = 270 mm	1340-6626
EBI 12-T465	Needle length = 300 mm	1340-6627

EBI 12-T22X **Temperature Data Logger**
bendable metal probe



- Application sample
- Measurement in drain of sterilizers
 - In oven (protected by Thermal-Isolation-Box)

Technical Data

Measurement range	EBI 12-T220: -200 °C ... +200 °C (-328 °F ... +392 °F) EBI 12-T221: -200 °C ... +400 °C (-328 °F ... +752 °F)
Data memory	100,000 measurement values

- 1 external temperature probe, Ø 1.5 mm
- Radial arranged

Type	Description	Part No.
EBI 12-T220	Needle length = 250 mm	1340-6604
EBI 12-T221	Needle length = 500 mm	1340-6605

EBI 12-T220-EX Temperature Data Logger *bendable metal probe*



Application sample

- EtO sterilization

Technical Data

Use in EX Area	-40 °C ... +85 °C (-40 °F ... +185 °F)
Data memory	100,000 measurement values

Approximately available from end of Q1 2018



- 1 external temperature probe, Ø 1,5 mm
- Radial arranged

Type	Description	Part No.
EBI 12-T220-EX	Needle Length = 250 mm	1340-6604-EX

EBI 12-T24X Temperature Data Logger *bendable metal probe*



Application sample

- In washer disinfectors
- H₂O₂ sterilization

Technical Data

Measurement range	-200 °C ... +200 °C (-328 °F ... +392 °F)
Data memory	100,000 measurement values

- 1 external temperature probe, Ø 1,5 mm
- Axial arranged

Type	Description	Part No.
EBI 12-T240	Needle Length = 250 mm	1340-6611
EBI 12-T241	Needle Length = 500 mm	1340-6612

EBI 12-T421 **Temperature Data Logger**
bendable metal probes



Application sample

- In oven (in combination with Thermal-Insulation-Box)
- In washer disinfectors

Technical Data

Measurement range	-200 °C ... +400 °C (-328 °F ... +752 °F)
Data memory	2 x 50,000 measurement values

Approximately available from end of Q1 2018

- 2 external temperature probes, Ø 1.5 mm
- Radial arranged

Type	Description	Part No.
EBI 12-T421	Needle Length = 500mm	1340-6630

EBI 12-T441 **Temperature Data Logger**
bendable metal probes



Application sample

- In washer disinfectors
- H₂O₂ sterilization

Technical Data

Measurement range	-200 °C ... +200 °C (-328 °F ... +392 °F)
Data memory	2 x 50,000 measurement values

- 2 external temperature probes, Ø 1.5 mm
- Axial arranged

Type	Description	Part No.
EBI 12-T441	Needle Length = 500 mm	1340-6629

EBI 12-T441-EX Temperature Data Logger *bendable metal probes*



Application sample

- EtO sterilization

Technical Data

Use in EX Area	-40 °C ... +85 °C (-40 °F ... +185 °F)
Data memory	2 x 50,000 measurement values

Approximately available from end of Q1 2018

- 2 external temperature probes, Ø 1.5 mm
- Axial arranged

Type	Description	Part No.
EBI 12-T441-EX	Needle Length = 500 mm	1340-6629-EX

EBI 12-T490 Temperature Data Logger *flexible cable probes*



Application sample

- Steam sterilizer

Technical Data

Measurement range	-20 °C ... +150 °C (-4 °F ... +302 °F)
Data memory	2 x 50,000 measurement values



- 2 external temperature probes, Ø 1.2 mm
- Radial arranged

Type	Description	Part No.
EBI 12-T490	Cable Length = 600 mm	1340-6634

EBI 12-T690 Temperature Data Logger
flexible cable probes



Application sample

- Steam sterilizer

Technical Data

Measurement range	-20 °C ... +150 °C (-4 °F ... +302 °F)
Data memory	4 x 25,000 measurement values

- 4 external temperature probes, Ø 1.2 mm
- Radial arranged

Type	Description	Part No.
EBI 12-T690	Cable Length = 600 mm	1340-6635

EBI 12-T47X Temperature Data Logger
flexible cable probes



Application sample

- Steam sterilizer

Technical Data

Measurement range	-20 °C ... +150 °C (-4 °F ... +302 °F)
Data memory	2 x 50,000 measurement values

- 2 external temperature probes, Ø 1.2 mm
- Axial arranged

Type	Description	Part No.
EBI 12-T470	Cable Length = 600 mm	1340-6640
EBI 12-T471	Cable Length = 1,200 mm	1340-6644

EBI 12-T671 Temperature Data Logger
flexible cable probes



Application sample

- Steam sterilizer

Technical Data

Measurement range	-20 °C ... +150 °C (-4 °F ... +302 °F)
Data memory	4 x 25,000 measurement values

- 4 external temperature probes, Ø 1.2 mm
- Axial arranged

Type	Description	Part No.
EBI 12-T671	Cable Length = 1,200 mm	1340-6645

Temperature / Pressure Data Loggers EBI 12 series

General technical specifications: valid for all EBI 12-TP data loggers

Operating temperature: pressure logger	0 °C ... +150 °C (+32 °F ... +302 °F)
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	±10 mbar (50 mbar ... 150 mbar) ±10 mbar (2,050 mbar ... 2,250 mbar) ±10 mbar (3,000 mbar ... 3,250 mbar) ±15 mbar (for the remaining measurement range)
Resolution: temperature	0.01 °C
Resolution: pressure	1 mbar
Data memory	Max. 100,000 measurements (total)
Sensor: temperature	Pt 1000, Class A
Sensor: pressure	Piezoresistive pressure sensor (temperature compensated)
Sampling rate	250 ms ... 24 h
Measurement mode	• Endless measurement • Measure upon start time • Start immediately until end of memory • Start- / Stop measurement
Storage temperature	0 °C ... +125 °C (+32 °F ... +257 °F)
Time accuracy (24h)	< 5 sec
Battery	Lithium cell, 3.6 V, user replaceable
Dimensions (Ø x H)	48 mm x 32 mm*
Weight	Approximately 120 g *
Housing material	316 L Stainless steel / PEEK
Protection class	IP 68
Certificate	Factory calibration certificate
* Dimensions and weight may be different depending on the type.	



EBI 12-TP222 Temperature / Pressure Data Logger
bendable metal probe and Luer-Lock-Connection



Application sample

- Washer disinfectors
- Sterilizer

Technical Data

Measurement range: temperature	0 °C ... +150 °C (+32 °F ... +302 °F)
Measurement range: pressure	1 ... 4,000 mbar
Data memory	2 x 33,400 measurement values

- 1 external temperature probe, axial, bendable, Ø 1.5 mm
- 1 internal pressure sensor with Luer-Lock-Connection

Type	Description	Part No.
EBI 12-TP222	Needle Length = 500 mm, Luer-Lock-Connection	1340-6653



EBI 12-TP231 Temperature / Pressure Data Logger rigid metal probe and Luer-Lock-Connection



Application sample

- Washer disinfectors
- Sterilizer

Technical Data

Measurement range: temperature	0 °C ... +150 °C (+32 °F ... +302 °F)
Measurement range: pressure	1 ... 4,000 mbar
Data memory	2 x 33,400 measurement values

- 1 external temperature probe, axial, Ø 1.95 mm
- 1 internal pressure sensor with Luer-Lock-Connection

Type	Description	Part No.
EBI 12-TP231	Needle Length = 40 mm	1340-6655

EBI 12-TP231-EX Temperature / Pressure Data Logger rigid metal probe and Luer-Lock-Connection



Application sample

- EtO sterilizer

Technical Data

Use in EX Area	0 °C ... +85 °C (+32 °F ... +185 °F)
Measurement range: pressure	1 ... 4,000 mbar
Data memory	2 x 33,400 measurement values

Approximately available from end of Q1 2018

- 1 external temperature probe, axial, Ø 1.95 mm
- 1 internal pressure sensor with Luer-Lock-Connection

Type	Description	Part No.
EBI 12-TP231-EX	Needle Length = 40 mm	1340-6655-EX

EBI 12-TP234 **Temperature / Pressure Data Logger**
tube connection and M 10x1 internal thread



Application sample

- Drainages

Technical Data

Measurement range: temperature	0 °C ... +150 °C (+32 °F ... +302 °F)
Measurement range: pressure	1 ... 4,000 mbar
Data memory	2 x 33,400 measurement values

- 1 external temperature probe, axial, Ø 1.95 mm
- 1 internal pressure sensor with tube connection

Type	Description	Part No.
EBI 12-TP234	Needle Length = 40 mm	1340-6652

EBI 12-TP322 **Temperature / Pressure Data Logger**
bendable metal probes with Luer-Lock-Connection



Application sample

- Washer disinfectors
- Sterilizer

Technical Data

Measurement range: temperature	0 °C ... +150 °C (+32 °F ... +302 °F)
Measurement range: pressure	1 ... 4,000 mbar
Data memory	3 x 25,000 measurement values

- 2 external temperature probes, axial, bendable, Ø 1.5 mm
- 1 internal pressure sensor with Luer-Lock-Connection

Type	Description	Part No.
EBI 12-TP322	Luer-Lock-Connection	1340-6664

EBI 12-TP422 Temperature / Pressure Data Logger *bendable metal probes with Luer-Lock-Connection*



Application sample

- Washer disinfectors
- Sterilizer

Technical Data

Measurement range: temperature	0 °C ... +150 °C (+32 °F ... +302 °F)
Measurement range: pressure	1 ... 4,000 mbar
Data memory	4 x 20,000 measurement values

- 3 external temperature probes, axial, bendable, Ø 1.5 mm
- 1 internal pressure sensor with Luer-Lock-Connection

Type	Description	Part No.
EBI 12-TP422	Needle Length = 500 mm, Luer-Lock-Connection	1340-6662

EBI 12-TP45X Temperature / Pressure Data Logger *flexible cable probes*



Application sample

- Sterilization

Technical Data

Measurement range: temperature	0 °C ... +150 °C (+32 °F ... +302 °F)
Measurement range: pressure	1 ... 4,000 mbar
Data memory	4 x 20,000 measurement values

- 3 external temperature probes, axial, flexible, Ø 1.2 mm
- 1 internal pressure sensor with Luer-Lock-Connection

Type	Description	Part No.
EBI 12-TP451	Cable Length = 600 mm, Luer-Lock-Connection	1340-6643
EBI 12-TP453	Cable Length = 1,200 mm, Luer-Lock-Connection	1340-6647

EBI 12-TP460 **Temperature / Pressure Data Logger**
flexible cable probes



Application sample

- In limited spaces e.g. in containers

Technical Data

Measurement range: temperature	0 °C ... +150 °C (+32 °F ... +302 °F)
Measurement range: pressure	1 ... 4,000 mbar
Data memory	4 x 20,000 measurement values

- 3 external temperature probes, radial, Ø 1.2 mm
- 1 internal pressure sensor

Type	Description	Part No.
EBI 12-TP460	Cable Length = 600 mm	1340-6648

EBI 12-TPX9X **Precision Pressure Logger**
high precision pressure measurement down to 0.1 mbar



In the process of H₂O₂ Sterilizers a very precise pressure measurement is necessary. The system works with pressures down to 1 mbar abs. A Highly accurate pressure data logger is necessary caused by the very low pressure nearly by vacuum.



Technical Data

Measurement range: temperature	0 °C ... +85 °C (+32 °F ... +185 °F)
Measurement range: pressure	0.1 ... 1,050 mbar (0.1 ... 788 Torr)
Accuracy: temperature	±0.1 °C
Accuracy: pressure	± 0.25 mbar (0.1 mbar ... 50 mbar) ± 5% of measured value (50 mbar ... 100 mbar) ± 1% FS (100 mbar ... 1,050 mbar)
Resolution: temperature	0.01 °C
Resolution: pressure	0.1 mbar
Data memory	TP190: 50,000 measurement values TP290: 2 x 33,400 measurement values
Sensor: temperature	Pt 1000
Sensor: pressure	Piezoresistive pressure sensor
Measurement mode	• Endless measurement immediately • Start / Stop measurement • Measure immediately until end of memory
Operating temperature	0 °C ... +85 °C
Max. operating pressure	0.1 mbar ... 2,000 mbar abs.
Battery	Lithium cell, 3.6 V, user replaceable
Dimensions (D x H)	48 mm x 35 mm
Housing material	316 L Stainless steel / PEEK
Protection class	IP 68

- 1 internal or 1 external temperature sensor, Ø 1.95 mm
- 1 internal pressure sensor

Type	Description	Part No.
EBI 12-TP190	Internal temp. sensor	1340-6665
EBI 12-TP290	Needle Length = 40 mm	1340-6666

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	± 0.1 °C
Accuracy: conductivity	± 0,5µS/cm (1 ... 100 µS/cm) ± 1 % measurement values (100 ... 2,000 µS/cm)
Data memory	2 x 50,000 measurement values
Sensor: temperature	Pt 1000
Sensor: conductivity	Conductivity electrode
Measurement mode	• Endless measurement immediately • Start / Stop measurement • Measure immediately until end of memory
Operating temperature	0 °C ... +125 °C (+32 °F ... +257 °F)
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

- 1 external temperature probe
- 1 external conductivity probe

Approximately available from end of Q1 2018

Type	Description	Part No.
EBI 12-TC230	Needle Length = 40 mm	1340-6667

EBI 12-TH100 Temperature / Humidity Data Logger insensitive against chemicals



Technical Data

Measurement range: temperature	-20 °C ... +85 °C (-4 °F ... +185 °F)
Measurement range: humidity	0% rF ... 100% rF
Accuracy: temperature	± 0.1 °C
Accuracy: humidity	± 2% rH, non-condensing at 25 °C
Resolution: temperature	0.01 °C
Resolution: humidity	0.1 % rH
Data memory	2 x 50,000 measurement values
Measurement channels: temperature	external (Pt 1000)
Measurement channels: humidity	(capacitive); combined sensor replaceable
Measurement mode	• Endless measurement immediately • Start / Stop measurement • Measure immediately until end of memory
Storage temperature	-20 °C ... +70 °C (-4 °F ... +158 °F)
Battery	Lithium cell (3.6 V), user replaceable
Dimensions (D x H)	48 mm x 70 mm
Housing material	316 L Stainless steel / PEEK
Protection class	IP 52

- 1 external temperature sensor (Pt 1000)
- 1 external humidity sensor (capacitive)
- Combined sensor replaceable

Type	Description	Part No.
EBI 12-TH100	Temperature/Humidity	1340-6671

EBI 12-TH100-EX Temperature / Humidity Data Logger
usable with EtO



- 1 external temperature sensor (Pt 1000)
- 1 external humidity sensor (capacitive)
- Combined sensor replaceable

Technical Data

Use in EX area	-20 °C ... +85 °C (-4 °F ... +185 °F)
Accuracy: temperature	± 0.1 °C
Accuracy: humidity	± 2% rH, non-condensing at 25 °C
Resolution: temperature	0.01 °C
Resolution: humidity	0.1 % rH
Data memory	2 x 50,000 measurement values
Measurement channels: temperature	external (Pt 1000)
Measurement channels: humidity	(capacitive); combined sensor replaceable
Measurement mode	• Endless measurement immediately • Start / Stop measurement • Measure immediately until end of memory
Operating temperature	-20 °C ... +70 °C
Battery	Lithium cell, 3.6 V, user replaceable
Dimensions (D x H)	48 mm x 70 mm
Housing material	316 L Stainless steel / PEEK
Protection class	IP 52

Approximately available from end of Q1 2018

Type	Description	Part No.
EBI 12-TH100-EX	Temperature/Humidity	1340-6671-EX

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	• 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



- Strip for 2 external Pt 1000 sensors

Type	Description	Part No.
EBI 12-T480	Terminal strip	1340-6633

Data Loggers and Systems for special applications

EBI 16 Electronic Bowie&Dick-Test accordance to DIN EN 285 / ISO 17665 / ISO 11140-4



The EBI 16 Data Logger forms together with the evaluation software Winlog.med an easy to use and reliable electronic measurement system.



This allows implementing a comprehensive routine control of steam sterilizers by means of the electronic Bowie&Dick-Test according to EN 285 / DIN EN ISO 17665. In addition to checking the penetration of steam, the relevant sterilization parameters are also checked.

A vacuum test can also be carried out with this device.

The EBI 16 is designed to ensure the use of 500 cycles or 2 years without calibration or service.

Technical Data

Measurement range temperature	0 °C ... +150 °C (+32 °F ... +302 °F)
pressure	1 mbar ... 4,000 mbar
Accuracy temperature	± 0.1 °C
pressure	± 15 mbar
Resolution temperature	0.01 °C
pressure	1 mbar
Data memory	6,750 measurement values
Sampling rate	1 sec
Measurement mode	Start / Stop measurement
Sensor: temperature	Pt 1000
Sensor: pressure	Piezoresistive pressure sensor
Operating temperature	0 °C ... +150 °C
Storage temperature	0 °C ... +125 °C
Start temperature	+15 °C ... +35 °C
Protection class	IP68
Battery	Lithium cell (3,6 V), replaceable
Battery lifetime	Up to 2 Years
Dimension (D x H)	90 mm x 150 mm
Housing material	316 L Stainless steel / PEEK
Weight	Approx. 500 g (incl. battery)
Calibration	Factory calibration certificate

Accordance to EN ISO 11140-4 certified by an independent laboratory

- **Reliable:** clear, reproducible measurement results
- **Accurate:** high-resolution graphical cycle display
- **Secure:** digital data recording and storage
- **Easy:** to use and evaluate

Type	Description	Part No.
EBI 16	Electronic Bowie&Dick-Test	1340-6697

Accessories and Interface-Sets



Battery replacement set AL 120
for EBI 12

Consisting of 3 batteries, 6 O-rings with grease and opening tool EBI 12



AL 121 opening tool EBI 12

To open the data loggers e.g. for battery change

Battery set AL 104
for EBI 12

Consisting of 3 batteries, 8 O-rings with grease



AL 122 eyelet ring EBI 12

For securing the EBI 12 data loggers in process



Holding clamps probes

To hold the flexible cable probes of the EBI 12 data loggers.



AL 190 Silicone cable strap

To hold the flexible cable probes of the EBI 12 data loggers

Silicone protection box

- Protects EBI 12 Data Loggers against heat peaks
- Protects EBI 12 Data Loggers against mechanical damage
- Extends the life of EBI 12 Data Loggers



Silicone protection box AL 101

for e.g.
EBI 12-TP222,
EBI 12-TP322,
EBI 12-TP422 and
EBI 12-TP45x

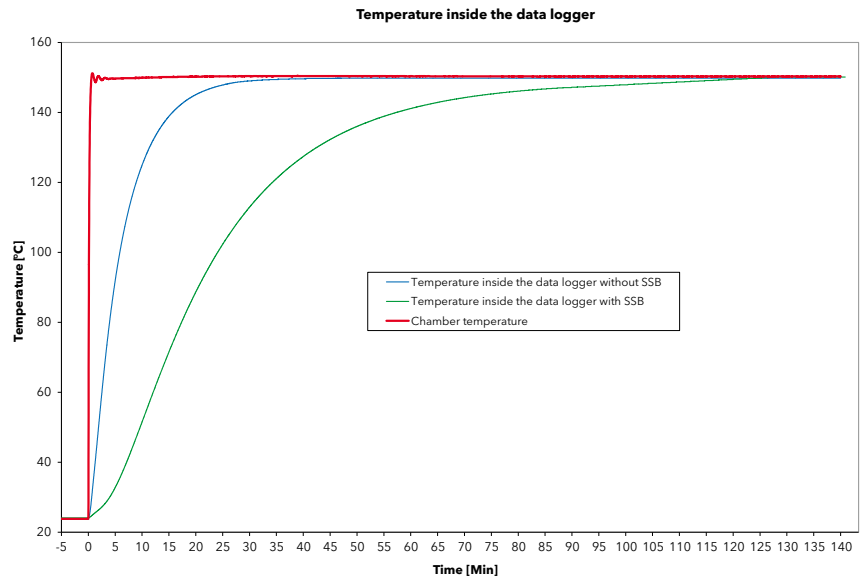
Ø 78 mm,
Height: 50 mm



Silicone protection box AL 107

for e.g.
EBI 12-T24x,
EBI 12-T441,
EBI 12-T67x und
EBI 12-T471

Ø 78 mm,
Height: 44 mm



Thermal Insulation Boxes

- Usable from +150 °C ... +400 °C
- Thermal protection of data loggers
- Stainless steel

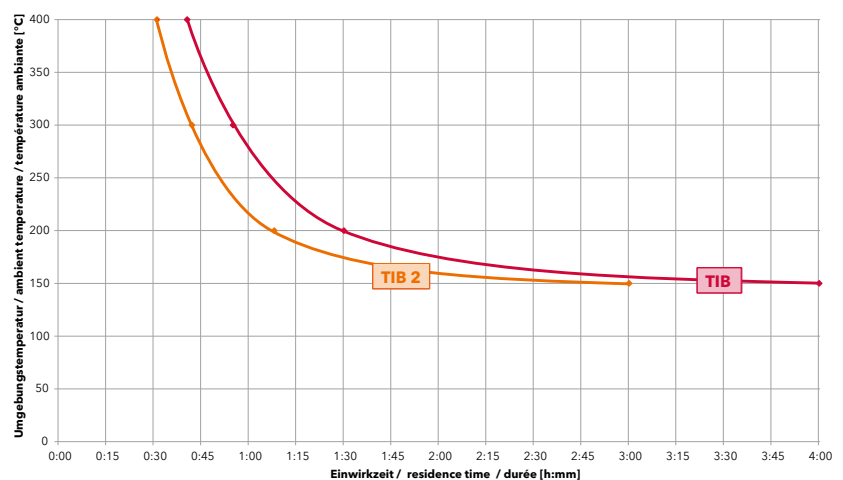


Thermal insulation boxes EBI TIB and EBI TIB 2

for EBI 12-T221 and EBI 12-T421

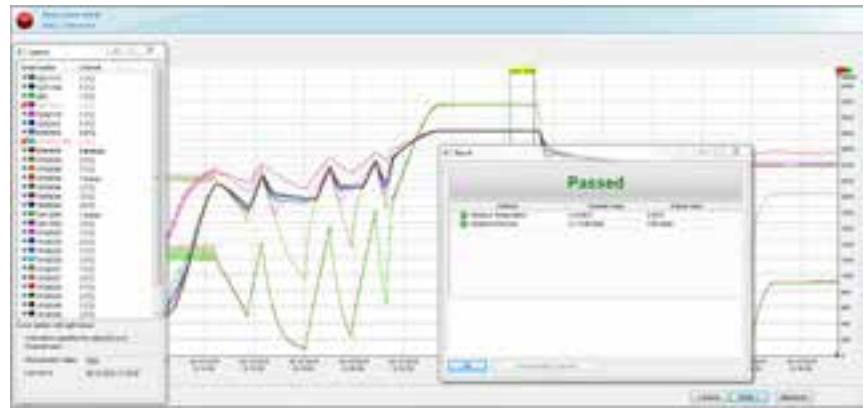
- EBI TIB: 160 mm x 160 mm x 82 mm
- EBI TIB 2: 160 mm x 160 mm x 60 mm

Grenzbedingung / limit condition / condition aux limites TIB / TIB 2



AL 285 **Logger-Check** For thermal validation *DAC UNIVERSAL*

In combination with the software Winlog.validation the AL 285 offers you a simple, on site functional check of the measuring channels.



EN ISO 17665-1, paragraph 9.1.4

Verification of the calibration value of the measuring instrument that is used for the validation of the sterilization process at process condition.

- Easy and reproducible test with automatic generation of reports.
- The tests are stored permanently in the database





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
- Includes antenna



Set SI 1200

for EBI 12

- 4-port Interface IF 200
- Software Winlog.pro
- USB connection
- Colored LEDs signaling programming, readout and incorrect development
- Includes antenna



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
- Includes antenna



Set SI 2110

for EBI 12

- 4-port Interface IF 200
- Software Winlog.med
- USB connection
- Colored LEDs signaling programming, readout and incorrect development
- Includes antenna



Set SI 2150

for EBI 12 and EBI 16

- 1-port Interface IF 150
- Software Winlog.med
- USB connection
- Colored LEDs signaling programming, readout and incorrect development



Set SI 3200

for EBI 12

- 4-port Interface IF 200
- Software Winlog.validation
- USB connection
- Colored LEDs signaling programming, readout and incorrect development
- Includes antenna



AL 112

for IF100 and IF 200

- Developed for real time monitoring
- AL 112 is a cable with 3 m length
- Antenna placement in the field of the door seal of a sterilizer or washer-disinfector
- Antenna steam-tight
- It is possible by a sealing to introduce it in the chamber



**Can adapter set
EBI DA-Set**

With this adapter set you can fix the data loggers at cans or plastic bags. Designed for data loggers of the EBI 12 series with axial, radial or external probes. Hereby you assure the use to ensure proper probes placement.



Can adapter EBI DA
for bottle loggers
(see page 14)



Bottle adapter EBI FL-S
silicone
for bottle loggers
(see page 14)



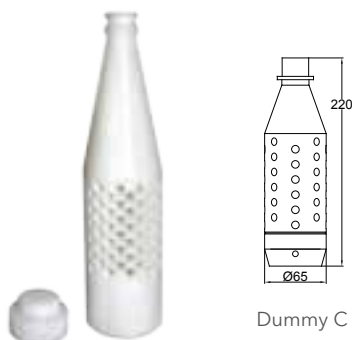
**Grommets for sensor fixing
EBI NI-140**
Allows precise mounting of the
logger sensor
in cans and glass.



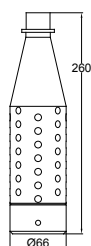
Compression fitting EBI KV-3
Allows precise mounting of the
logger sensor
in glass (caps).

Dummy bottle

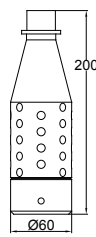
Please find EBI 12-T23X Temperature data logger from page 13.



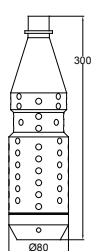
Dummy C



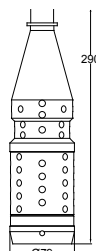
Dummy 0,5 l



Dummy E



Dummy 1 l



Dummy 0,7 l

The dummy bottles can be screwed to the ground. This allows the EBI 12 to be positioned within the bottle.

Type	Description	Part No.
SI 1100	Set: Interface EBI IF 100 and Software Winlog.pro	1340-6061
SI 1200	Set: Interface EBI IF 200 and Software Winlog.pro	1340-6062
SI 2100	Set: Interface EBI IF 100 and Software Winlog.med	1340-6064
SI 2110	Set: Interface EBI IF 200 and Software Winlog.med	1340-6095
SI 2150	Set: Interface EBI IF 150 and Software Winlog.med	1340-6193
SI 3200	Set: Interface EBI IF 200 and Software Winlog.validation	1340-6068
AL 100	Silicone protection box for EBI 12 Temperature Data Logger	1340-6020
AL 101	Silicone protection box for EBI 12 Pressure Data Logger	1340-6021
AL 102	Silicone protection box for EBI 12 Temperature Data Logger	1340-6022
AL 120	Battery change set for EBI 12	1100-0130
AL 121	Battery change tool (2 parts) EBI 12	1100-0131
AL 122	Eyelet ring EBI 12	1100-0132
AL 104	Battery set for EBI 12	1100-0118
AL 106	Silicone protection box for EBI 12 Temperature Data Logger	1340-6023
AL 107	Silicone protection box for EBI 12 Temperature Data Logger	1340-6024
AL 112	Antenna steam sterilizer	1340-6007
AL 190	Silicone cable strap set	1248-0190
AL 285	Logger-Check	1248-0285
Clamp	Holding clamps for probes	1340-0005
EBI TIB	Thermal Isolation box, 160 x 160 x 82 mm	1340-1894
EBI TIB 2	Thermal Isolation box, 160 x 160 x 60 mm	1340-1892
EBI DA	Can adapter for bottle loggers	1340-1963
EBI DA-Set	Can adapter set for bottle loggers	1340-1984
EBI FL-S	Bottle adapter, silicone	1340-1961
EBI NI-140	Grommets for sensor fixing up to 140 °C (100 pieces)	1340-1988
EBI KV-3	Compression fitting	1340-2005
Dummy C	Dummy Bottle POM 220x65mm	1340-2255
Dummy 0,5L	Dummy Bottle POM 0,5l	1340-2256
Dummy E	Dummy Bottle POM 200x60mm	1340-2257
Dummy 1L	Dummy Bottle POM 1l	1340-2258
Dummy 0,7L	Dummy Bottle POM 0,7l	1340-2259