



# Temperature Data Logger EBI 12

for monitoring, process and routine control as well as temperature mapping

## BLUE LINE

### EBI 12-T103

Rugged temperature data logger for regular, independent routine checks in the medical field, in healthcare, and during production.

- High-quality stainless-steel housing
- Measurement range from -82 °C to 150 °C
- High temperature accuracy of up to  $\pm 0.05$  °C
- Wireless measurement
- Sterilizable data logger
- Rugged data logger



#### Technical Data:

|                                 |                                                                                                                                                                                                  |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating temperature           | -90 °C ... +150 °C                                                                                                                                                                               |
| Measurement range               | -82 °C ... +150 °C                                                                                                                                                                               |
| Accuracy                        | $\pm 0.5$ °C (-82 °C ... -40 °C)<br>$\pm 0.2$ °C (-40 °C ... 0 °C)<br>$\pm 0.1$ °C (0 °C ... +120 °C)<br>$\pm 0.05$ °C (+120 °C ... +140 °C)<br>$\pm 0.1$ (+140 °C ... +150 °C)                  |
| Resolution                      | 0.01 °C                                                                                                                                                                                          |
| Storage capacity                | 100,320 measurements                                                                                                                                                                             |
| Sensor                          | PT1000, Class A                                                                                                                                                                                  |
| Measurement interval            | 250 ms ... 24 hours                                                                                                                                                                              |
| Real-time data transmission     | No                                                                                                                                                                                               |
| Storage temperature             | -20 °C ... +70 °C                                                                                                                                                                                |
| Measurement modes               | <ul style="list-style-type: none"> <li>• Endless measurement</li> <li>• Measure upon start time</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                      | IP68                                                                                                                                                                                             |
| Factory Calibration Certificate | -20 °C, 0 °C, +60 °C and +134 °C                                                                                                                                                                 |

#### Standards and Directives:

- ISO 15883 Washer Disinfectors
- 2014/53/EU Radio Equipment Directive RED
- FCM EN 1935/2004 Food Material Contact
- DIN EN 301 489 Electro Magnetic Compatibility (EMC)

| Type        | Description | Part No.       |
|-------------|-------------|----------------|
| EBI 12-T103 | Internal    | 1340-6690-0100 |