

# Electronic measuring system for measuring steam penetration in the steam sterilizer

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



The EBI 16 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 alternative 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 1,000 cycles or 3 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
Max. operating pressure	7 bar (abs.)
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	Alternative 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

**Battery set AL 104**  
for EBI 12

Consisting of 3 batteries, 6 O-rings with grease



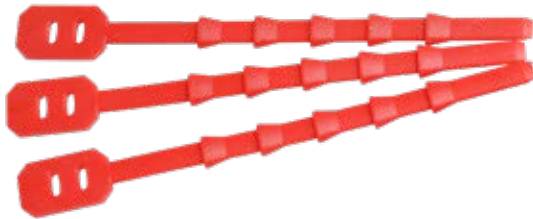
**AL 121 opening tool EBI 12**

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



**AL 122 eyelet ring EBI 12**

For securing the EBI 12 data loggers in process



**AL 190 Silicone cable strap**

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

**NEW**



**AL 132 Flow adapter**

For a stabilized conductivity measurement in WD with EBI 12-T230

