

Electronic Bowie&Dick-Test 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	6,960 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 (+32 °F ... +302 °F)
Storage temperature	-20 °C ... +70 °C (-4 °F ... +158 °F)
Start temperature	+15 °C ... +35 °C (+59 °F ... +95 °F)
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