

Calibrationbox-I



Data Sheet

Gas Measuring and Alarm Systems



Application

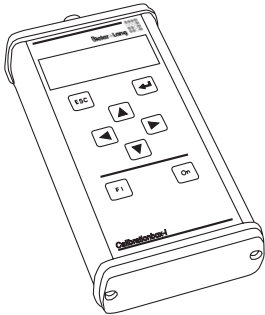
The Calibrationbox-I is used for operation and adjustment of the ExDetector instrument family:

- Display of the actual concentration of potentially explosive gases and vapours measured by the measuring probe.
- Adjustment / calibration of the measuring probe.
- Storage of the adjustment information for processing in DP systems.

Product features

- ATEX-conformity for applications in hazardous areas zone 1 and 2
- alphanumeric display
- keypad for simple operation
- power supply from integral batteries
- monitoring and display of battery capacity

Technical data



	Calibrationbox-I
Areas of use	Zone 1 and 2 hazardous areas
Explosion protection certification (directive 2014/34/EU)	II 2 G Ex ib IIC T4 PTB 01 ATEX 2102 BAM 03 ATEX 0003 X
Calibration circuit	of intrinsic safety ignition protection type Ex ib IIC; only for connection to ExDetector PTB 00 ATEX 1075, $U_0 = 13.8 \text{ V}$ $I_0 = 336 \text{ mA}$ $P_0 = 432 \text{ mW}$ Characteristic: linear $C_0 = 170 \text{ nF}$ $L_0 = 0.2 \text{ mH}$
Supply	6 VDC; battery supply (4 No.) battery types allowed for operational use: a) Varta Superlife No. 2006, size AA, 1.5V b) Camelion, Super Heavy Duty, size AA, 1.5V c) Varta Industrial No. 3706, size AA, 1.5V d) Varta Longlife No. 3006, size AA, 1.5V
Temperature range	-20°C...+55 °C
Humidity range	0...90% rH
Protection	IP 54
Weight	660 g
Dimensions (H x W x D)	180 x 86 x 36 mm
Case material	aluminium

Accessories

- test gas set
- calibration gases
- carrying pouch
- serial adaptor cable

Bieler + Lang GmbH Gasmess- und Warnsysteme

Postfach 1129, 77842 Achern
Von-Drais-Str. 31, 77855 Achern

Telefon +49 (0) 78 41 / 69 37 - 0
Telefax +49 (0) 78 41 / 69 37 - 99
E-Mail info@bieler-lang.de

Internet www.bieler-lang.de

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Technical modifications possible!