

POWERSENSE[®]

TECHNICAL DATASHEET FOR THE DISCOS[®] CALIBU

DESCRIPTION

DISCOS[®] Calibu System is a part of the DISCOS[®] System family.

DISCOS[®] Calibu System is a standalone device for measuring currents in MV networks. DISCOS[®] Calibu System can also be used to calibrate the DISCOS[®] System.

DISCOS[®] Calibu System is based on a rogowski coil sensor. The sensor measurements are then converted into an optical signal. The optical signals are transferred in optical cables to a measurement device – Main unit. This ensures electrical isolation from the MV side to the operator.

DISCOS[®] Calibu System has a PC based user interface called DISCMAN that is used to either collect data or setup the DISCOS System.



MAIN OPERATIONAL PARAMETERS

Portable multi purpose MV network measurement device

Small foot print MV current measuring device

Combined rogowski and optical technology

Can be mounted without switching off power

Can be used to setup DISCOS[®] System

TECHNICAL SPECIFICATIONS

Main electrical characteristics

Supply voltage	3 x 230 VAC @ 50 Hz (European Version) 3 x 120 VAC @ 60 Hz (US Version)
Rated power consumption	1 W

Communication specifications

Method of transmission data	CAN version 2.0b
Transceiver bit rate	125 kbps
Number of units on CAN bus	125 units

Ambient specifications

Operational temperature	-20°C to +75°C
Operating humidity (non-condensing)	25%-90% RH at +40°C

Operational life time

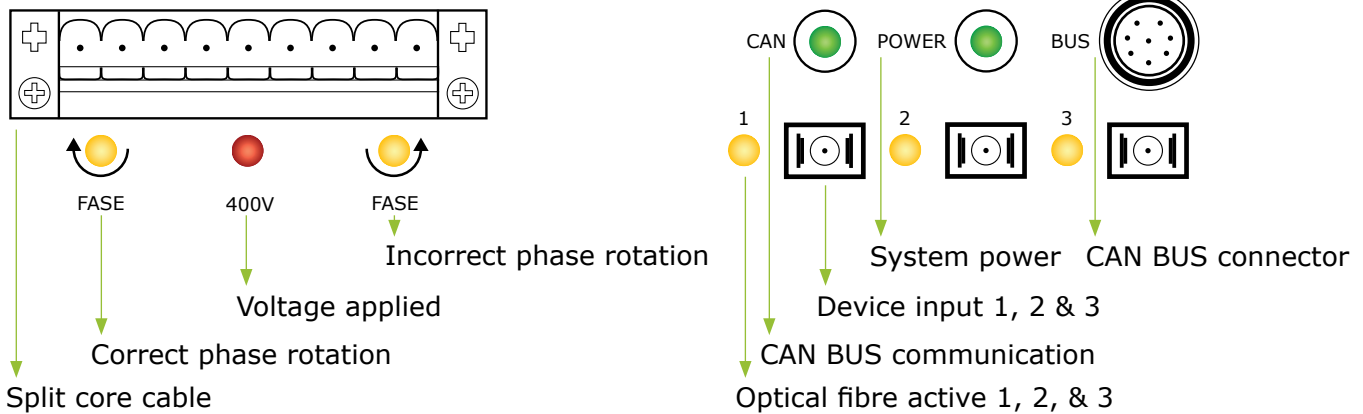
Designed for	15 years
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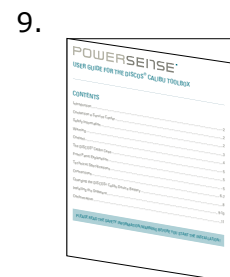
Approvals	IEC 61010-1: 2001 Class IV
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CONNECTIONS & PANEL EXPLANATIONS



CONTENT

1. Transport case
2. The DISCOS® Calibu main unit
3. 8 DISCOS® Calibu device units
(with 4 pcs Rogowski 200 mm coils and 4 pcs Rogowski 500 mm coils)
4. The fibre optical patchcable
5. The BUS connector cable
6. The P-CAN/USB cable
7. CD-ROM with the software system
8. 8 spare batteries for the DISCOS® Calibu device
9. User guide





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PowerSense A/S
Skovlytoften 33
DK-2840 Holte
Denmark

Phone: + 45 76 10 00 17 • Fax: + 45 76 10 00 18
info@powersense.dk • sensethepower.com