

LOW VOLTAGE MODULE WITH CAN

KLARI-CORD 5



Measurement module optimized for long term measurement of quiescent and operating current, voltage and power measurement. Logging of the data via USB drive.

Features

- 4 universal inputs
- 8 Channel
- pluggable USB-Drive for logging function
- Dynamic sampling rate
- Autorange function
- Automatic Probe identification (similar to TEDS)
- Galvanical isolation
- Online calculation of charge/discharge and total balance
- independent 1 Mbaud CAN-Interfaces

Version

- with Display
- without Display
- Aluminium housing 147/110/35 mm (L/W/H)
- Protection class IP65
- Temperature Range -40°C to +85°C (-40°F to 185°F)
- Temperature Range with Display -20°C to +70°C (-4°F to 158°F)
- Supply Voltage 7 V - 60 V DC

Suitable sensors

Current measurement

FUSE-Probe (Micro/ Mini/ ATO/ MAXI/ MCASE/ JCASE)
HI-Probe (BF1/ BF2/ BF3)
LI-Probe

Voltage measurement

U-Probe (80 V)

Power measurement

HP-Probe
LP Probe

Temperature measurement

T-Probe (PT100/PT1000)

For detailed technical information please refer to the data sheet „KLARI-PROBES“

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Applications

- Long-term fleet measurements
- Power measurement of power electronics in vehicles or on test benches
- Quiescent and operating current measurements

Scope of delivery

- KLARI-CORD 5 measuring module
- 32 GB USB-Drive
- CAN-On supply cable / 1m (Digital-Input)
- USB connection cable
- Factory calibration certificate
- DBC files and documentation

Accessories

- KLARI-CHARGE2 supply module
- CAN cable harness with power supply
- DAkkS calibration

Technical data

Inputs	4 Inputs 8 Channel
Capabilities	Klaric LV-Probes with automatic recognition and transfer of calibration values Current Voltage PT100/1000
Resolution	Gain 1 (24µV), Gain 6 (4 µV), Gain 24 (1 µV), Gain 50 (500 nV), Gain 100 (250 nV)
Sample Rate	max. 8 kHz per channel, channels individually adjustable
Measurement Ranges	5 measuring ranges with auto-range function Gain 1 (-300mV / +720 mV), Gain 6 (+ -120mV), Gain 24 (+ - 30mV), Gain 50 (+ - 15mV), Gain 100 (+ - 7 , 5mV)
Accuracy	± 0,1 % reading ± 3 Bit of the actual measurement range at 23°C ± 5°C ± 1 % reading ± 3 Bit of the actual measurement range -40°C to +80°C Measurement Modules + Klari-Probes in a chain
CAN	125k, 250k, 500k, 1000k Baud configurable internal CAN termination via Software swichtable CAN Base ID configurable
Configuration via	Mini-USB, CAN (individually adjustable CAN ID for each channel)
Voltage Supply Range	5 V - 60V
Power Consumption	typ. 0,5 - 1 W
Temperature Range	-40 °C to + 85 °C (-40°F to 185°F)
Calibration	12 months