

## LOW VOLTAGE MODULE WITH ETHERNET AND CAN

# KLARI-FUSE 3



Universal measuring module for various measuring tasks in the vehicle or in the laboratory.

### Features

- 8 universal Inputs
- 16 channel
- Dynamic sampling rate
- Autorange function
- Automatic Probe identification (similar to TEDS)
- Automatic DBC/A2L generation
- Galvanical isolation
- Integration of other Sensors
- Online calculation of power data for DC measurements
- 100 Mbit/s XCP-on-Ethernet or Klaric-Server
- 2 independent 1 Mbaud CAN-Interfaces

### Version

- Aluminium housing 147/110/35 mm (L/W/H)
- Protection class IP65
- Temperature Range -40°C to +85°C (-40°F to 185°F)
- Supply Voltage 7 V to 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

T-Probe (PT100/PT1000)

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

## LOW VOLTAGE MODULE WITH ETHERNET AND CAN

# KLARI-FUSE 3



### Applications

- Power measurement of power electronics in vehicles or on test benches
- Quiescent and operating current measurements
- Temperature measurements
- Measurement of analog or sensor voltages

### Scope of delivery

- Measuring module KLARI-FUSE 3
- CAN-On supply cable / 1m (Digital-Input)
- USB connection cable
- Factory calibration certificate
- A2L/DBC files and documentation

### Accessories

- KLARI-CHARGE2 supply module
- CAN cable harness with power supply
- Ethernet cable harness with/without supply
- DAkkS calibration

### Technical data

<b>Inputs</b>	8 inputs 16 channel (2 x ADC per input)
<b>Capabilities</b>	Klaric LV-Probes with automatic recognition and transfer of calibration values Current, Voltage, 2xVoltage, Combi-I/U, PT100/1000
<b>Resolution</b>	16 Bit ADC with 5 Measurement Ranges
<b>Sample Rate</b>	0,25 Hz to 8 kHz per channel configurable, dynamic sampling speed trigger
<b>Measurement Ranges</b>	±9 mV, ±27 mV, ±42 mV, ±210 mV, +1050 / -240 mV 0,3 µV, 0,9 µV, 1,4 µV, 7 µV, 35 µV Resolution
<b>Accuracy</b>	± 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 bis +80°C Measurement Modules + Klari-Probes in a chain
<b>CAN</b>	125k, 250k, 500k, 1000k Baud configurable internal CAN termination via Software swichtable CAN Base ID configurable
<b>Configuration via</b>	Ethernet CAN USB (virtual COM Port)
<b>Voltage Supply Range</b>	7 V to 60 V
<b>Power Consumption</b>	typ. 1,5 W
<b>Temperature Range</b>	-40°C to 85°C (-40°F to 185°F)
<b>Calibration</b>	12 months