

KLARI-THERM HV 1500V



HV measuring module for Temperature measurements with thermocouples in the vehicle, test bench or in the laboratory

Features

- 4 Channel
- 1.500 V galvanical isolation
- Autorange Function
- Dynamic sample rate
- Automatic DBC/A2L generation
- 2 independent 1 MBaud CAN-Interfaces

Version

- 1 Inputs - 4 channel input (Redel 2P)
- 4 Inputs - 1 channel per input (Redel 2P)
- Aluminium housing 96/170/54 mm (L/B/H)
- Protection class IP65
- Temperature Range -40...+85°C
- Supply Voltage 7..60 V DC

Application

- Voltage measurements in the HV electrical systems, HV batteries
- Temperature measurement in HV components or batteries with thermocouples

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Accessories

- HV-Thermocouple
- CAN cable harness with power supply

Scope of delivery

- Measuring module
- Factory calibration certificate (DAkkS optional)
- HV test protocol
- A2L/DBC files and documentation

Technical data

Inputs	1 or 4 Inputs 4 Channel
Capabilities	HV-Thermocouple Type K
Cold Junction Compensation	for each channel separate
Resolution	16 Bit ADC with 5 Measurement Ranges
Sample Rate	0,25 Hz to 8 kHz per channel configurable, dynamic sampling speed trigger
Measurement Ranges	±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
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 bis +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	CAN USB (virtual COM Port)
Voltage Supply Range	7-60 V
Power Consumption	typ. 2 W