



KLARI-PT HV 1500V



HV measuring module
Temperature measurements with
PT100/1000 sensors in the vehi-
cle, test bench or in the laboratory

Features

- 4 Channel
- High-precision measurement through four-wire measurement
- 1.500 V galvanical isolation
- Autorange Function
- Dynamic sample rate
- Automatic DBC/A2L generation
- 2 independent 1 MBaud CAN-Interfaces

Version

- 2 Inputs - 2 channel per 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 RTDs

KLARI-PT HV 1500V

Accessories

- HV-PT100/1000 Sensors
- 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-PT Sensors
Measurement Current	250 μ A
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 μ V, 0,9 μ V, 1,4 μ V, 7 μ V, 35 μ V Resolution
Accuracy	$\pm 0,1$ % reading ± 3 Bit of the actual measurement range at $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$ ± 1 % reading ± 3 Bit of the actual measurement range -40°C bis $+80^{\circ}\text{C}$ 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
Temperature Range	-40°C to 85°C
HV insulation check	at least every 12 months