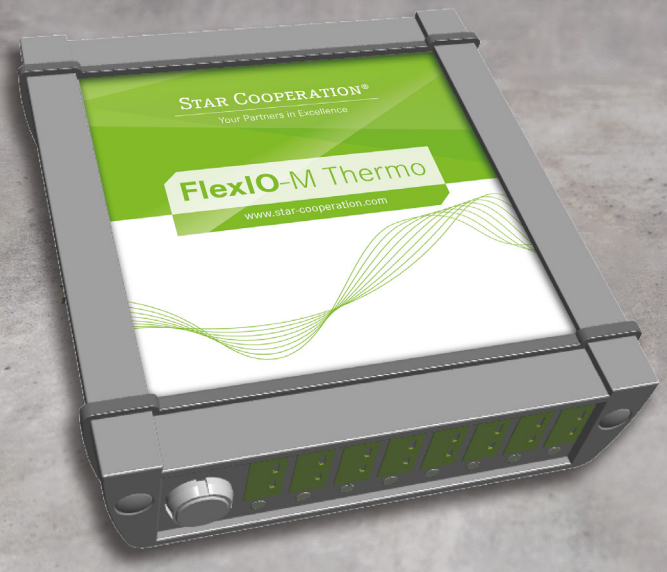
STAR COOPERATION®

Your Partners in Excellence



FlexIO-M Thermo

www.star-cooperation.com

BENEFITS

- Temperature measurement of -100°C up to +1372°C
- Variation with 8 channels
- Big supply voltage range of 6 V – 60 V
- Galvanically separated measurement
- Measurement value output on CAN bus

THERMAL ELEMENT MEASUREMENT MODULE

The thermal element measurement module FlexIO-M Thermo facilitates a galvanically separated temperature measurement by evaluating 8 type K thermal elements. These measurement values are exported cyclically via the CAN interface.

It is suitable for operating in 12 V, 24 V and 48 V on-board networks due to its large supply voltage range of 6 V to 60 V. With its operating temperature range of -40°C to +85°C, it is ideal for use in test benches and test vehicles.

The included PC software enables the comfortable and easy configuration of the CAN messages' IDs and cycle times. After transfer to the hardware via USB, the configuration is saved there and can be installed without PC connection.

STAR COOPERATION GmbH
Otto-Lilienthal-Straße 5 | 71034 Böblingen | Phone +49 7031 6288-300 | www.star-cooperation.com/ee-solutions | sales-ee@star-cooperation.com

FlexIO-M Thermo

CHARACTERISTICS

- Precise, galvanically separated temperature measurement of -100°C up to +1372°C
- 48 V on-board network-able due to supply of 6 V to 60 V
- Cold-junction compensation for each channel

APPLICATIONS

- Experimental and test set-up
- Test benches/individual measurement tasks
- Temperature monitoring in test vehicles
- Temperature measurement in HIL set-ups

SCOPE OF DELIVERY

- FlexIO-M Thermo (device)
- Configuration software for Windows
- Connector cable (supply and CAN on banana plugs), length 2m
- Manual

ACCESSORIES (OPTIONAL)

- Customer-specific connector cable
- Customer-specific type K measurement lines

TECHNICAL DATA

	FlexIO-M Thermo
Supply voltage	+6 VDC to +60 VDC
Measurement output voltage	CAN bus (Highspeed ISO 11898-2 A and ISO 11898-2 B)
Sensor connections	8 type K thermal sockets (DIN IEC 584)
Measurement range	-100°C up to +1372°C
Resolution measurement inputs	Up to 24 Bit
Bandwidth	5 Hz
Sample rate	10 SPS
Measurement precision (@ Tu= 25°C)	+/- 0.2 %
Temperature drift measurement inputs	t.b.a.
Configuration interface	USB 2.0
Operation temperature	-40°C to +85°C
Type of safety	IP 41
Dimensions (8 channel)	125 x 35 x 135 mm