

**MK-GL240-10K-230**

■ **Measuring case for the connection of up to 10 active transducers / sensors (measuring signals 0 ... 5 V, 0 ... 10 V or 4 ... 20 mA) and a GRAPHTEC data logger of the type GL240**

- Number of meas. channels 10
- Sensor supply voltage 24 VDC (80mA max./chan.)
- Protection class IP65
(Measuring case closed)
- Supply voltage 100 ... 240 VAC - 50/60 Hz

**■ Description**

The measuring case is intended for the mobile connection of 1 up to 10 active transducers / sensors with analog output voltage (3- or 4-wire technology) or current (2- or 3-wire technology) in conjunction with a data logger of the type GRAPHTEC GL240. The connection of the transducers / sensors takes place via plug connectors. The sensor supply is provided by an internal power supply with a regulated DC voltage of 24 VDC.

In the version for analog output signals of 4 ... 20 mA, internal shunt resistances of 250 ohms enable conversion to the corresponding measuring range of the data logger of 1 ... 5 volts. Further information can be found in the data sheet of the GL240.

The measuring case is supplied with an alternating voltage of 100 to 240 V and 50/60 Hz.

The data logger is mounted on a mounting plate and can also be used separately from the measuring case for other measuring tasks.

If required, the data logger can already be pre-set and preconfigured according to customer requirements.

Note: The data logger with "battery block" for data backup on mains voltage interruption (recommended option), the transducers and required transducer connection cables are not part of the described measuring case and must be ordered separately according to individual requirements. When ordering this measuring case and data logger at the same time, the data logger will already be installed.

Specifications

Supply voltage:	100 ... 240 VAC	50 / 60 Hz
Sensor/transducer supply voltage:	24 VDC (max. 80 mA)	
Number of measuring channels:	10	
Input signal:	4 ... 20 mA (2- or 3-wire technology)	0 ... 5 V / 0 ... 10 V (3- or 4-wire technology)
Connector for sensor/transducer:	5-pin connector Binder	Series 423
Precision shunt resistor:	250 Ohm	0,1 %
Enclosure:	Plastic case	
Dimensions (W x H x D):	465 x 365 x 180 mm	
Protection class:	IP65 IP20	case closed case opened
Temperature, operating:	0 ... 45°C (5 ... 85 % RH)	case with opened lid

Pin assignment

Applies to all channels (when ordering, the desired wiring of the respective channel must be specified.):

PIN	2-wire technology, 4...20 mA	3-wire technology, 4...20 mA	3-wire technology, 0 ... 5 V / 0 ... 10 V	4-wire technology, 0 ... 5 V / 0 ... 10 V
1	+Supply voltage	+ Supply voltage	+ Supply voltage	+ Supply voltage
2	Not used	Not used	+ Signal	+ Signal
3	Signal (I _{IN})	Signal (I _{IN})	Not used	Not used
4	Not used	Not used	Not used	- Signal
5	Not used	GND	GND	GND

Detailed view



■ Ordering information

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■ Customized Requirements

Technical modifications according to customer requirements are available on request. Moreover, we deliver customized special solutions for a lot of measuring tasks in the section pressure, force, position and tilt measuring using our measuring transducers. Do not hesitate to contact us.

We reserve the right to do technical changes without prior notice.

Version 04.2019

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