



Burat & Klein
Datentechnik GmbH

Technical datasheet



MultiMessBOX USB





Signal conditioning and highly dynamic measurement data acquisition multifunctional for all measurement applications

- Flexible assembly with 8 or 16 measurement amplifiers
- Full compatibility with MessMAX®
- Expandable at any time
- For all common sensors
- Integrated sensor supply
- Digital (alarm-) outputs
- Analogue (control-) outputs



The mobile 8/16-channel USB measurement system is extremely flexible in use and is ideally suited for dynamic measurements.

It offers space for 8/16 measurement amplifier modules, which allows to easily adapt the box to the measurement tasks.

For this purpose, we offer measuring amplifier modules for all common sensors.

The 8-channel MultiMessBOX also offers the option of evaluating a further 8 analog inputs ± 10 V as an option! Each individual input can also be used as an 8-channel digital input via an extension option using the DG-BOX.



Technical Data

Measuring channels	8 or 16 (depends on housing variant) expandable up to 256 channels
Measured variables	<ul style="list-style-type: none">- Voltage DC/AC- Current DC/AC- Temperature (PT100, 500, ... / thermocouple)- DMS- Resistor- Piezo (ICP / IEPE for vibration or acoustics)- Frequency (voltage impulses)- More on request, also www.burat-klein.com → Products → Measuring amplifiers
Total sampling rate	100 kHz
A/D- converter- card resolution	16 bit
Connectors	B&K standard Amphenol or on customer request
Sensor supply	5 V / 10 V / 15 V / 24 V
Device supply voltage	100 ... 230 V AC (12 V / 24 V optional)
CAN connection	Sub-D 9 pol. connector or M12x1 connector
CAN terminating resistor (optional)	On customer request
CAN-Bus	2 x galvanic isolated
Digital outputs	4 x
Analog control outputs (target value)	4 x (optional 0 / 4 ... 20 mA or ± 10 V)
Weight	5500 - 6500 g
Dimensions (W x H x D in mm)	16 channel version: without handles: 445 x 135 x 255 with handles: 450 x 135 x 300 8 channel version: without handles: 235 x 135 x 335 with handles: 250 x 135 x 360



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