



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

It offers space for 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.



Technical Data

Measuring channels	8 or 16 (depends on housing varianth) expandable up to 256 channels
Measured variables	- Voltage 0 ... 100 V - Current 4 ... 20 mA - Temperature (PT100 / 1000 / thermocouple) - DMS - Resistor - More on request
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
Analoge 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)	445 / 235 x 135 x 250



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