



Burat & Klein
Datentechnik GmbH

Technical datasheet



PrüfMessBOX-USB-UDSP-CA



Highly dynamic measurement data acquisition and signal conditioning in a compact housing

- 16 measuring amplifiers with differential input
- Full compatibility with MessMAX®
- For all common sensors
- Integrated sensor supply
- Digital (alarm-) outputs
- Analog (control-) outputs (optional)



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

Voltages from 0 ... 100 V and currents of 0/4 ... 20 mA can be measured, and sensors can be supplied with 5 V (optional), 10 V or 24 V.

There are 4 digital (alarm) outputs, switchable by pushbuttons, as well as time-controlled or event-controlled depending on the measured values. Further 4 analog (control or setpoint) outputs optionally with 0/4 ... 20 mA or ± 10 V are additionally used to control devices.



Technical Data

Measuring channels	16 (depends on housing varianth)
Measured variables	- Voltage ± 10 V switchable ± 100 V - Current 0/4 ... 20 mA
Total sampling rate	100 kHz
A/D- converter- card resolution	16 bit
Connectors	B&K standard Amphenol and BNC
Sensor supply	10 V / 24 V (optional 5 V ratio.)
Device supply voltage	24 V with external power supply
Dormant current	max. 700 mA (per equipment variant)
CAN connection (optional)	Sub-D 9 pol. connector
CAN terminating resistor (optional)	On customer request
CAN-Bus (optional)	2x galvanic isolated
Digital outputs	4 x input voltage power supply = output voltage
Analog control outputs (target value)	4 x (optionally 0/4 ... 20 mA or ± 10 V)
Sensor supply channel 9 - 16	max. 150 mA / channel
Weight	1900 ... 2400g
Dimensions (W x H x D in mm)	300 X 75 X 225



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