Mini Controller VKS-0100

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VELOMAT
MESSELEKTRONIK GmbH

The VKS-0100 controller is a small controller that can be used flexibly.

The module is used wherever the control or data logger task would be too complex for a standard PLC.

The firmware is customised according to the task. The firmware can be updated from the PC via the USB interface without additional hardware.

To fulfil the control tasks, the micro-controller has:

- 4 analogue inputs 4 … 20 mA (1 … 9 mA optional) with the connection specifications for VELOMAT force transducers including the supply of the sensor amplifiers with 12 V DC
- 4 analogue outputs 4 … 20 mA
- 8 digital inputs with galvanic isolation
- 8 digital outputs in positive logic
- Dataflash with 2 Mbyte size for realising data logger functions
- USB device interface for communication with the PC
- Optional interface for connecting an external display and control unit
- 24 V DC power supply

Technical Data

Power supply:	24 V DC ± 20 %
Current consumption:	max. 250 mA (without digital outputs)
Interface:	1 x USB
Input / Output:	4 x 4 … 20 mA (option 1 … 9 mA) / 4 x 4 … 20 mA 8 digital IN / 8 digital OUT
Housing dimension:	100 mm x 77 mm x 120 mm