

- Measurement of Torque, Speed, Angle, Force and Stroke
- Connection of 2 sensors
- Control I/O Interface with signal output e.g. for SPC
- Analysis of values on a PC using included software
- Network connection with Ethernet



Description:

The measuring module ValueMaster transforms your PC or Notebook into a full-fledged measurement device. The measurement values for torque, speed, angle, force and stroke can be displayed, evaluated according to pre-set limits, and assessed graphically. Using torque sensors with an integrated recognition chip the sensor-data of the connected sensor will be transferred automatically into the parameter setting. The measured values are stored in a txt-file and they can be compared to each other in several layers. An external activation of the device is possible with the control inputs. Using the switching outputs, optical signals or e.g. the shut-off of a nutrunner can be controlled with a separate power stack. Customized software or special functions can be realized on demand.

Connections:

Sensor 1: Aktive torque sensor with or without speed or angle detection, also with two measurement ranges.

Sensor 2: Aktive torque sensor without speed or angle detection, force or stroke sensor.

Using one-range-sensors both sensor ports can be connected to one sensor each at one time.

Technical Data:

Supply voltage:	100-240V / 50-60Hz with wall power supply
Sensor feeding (every channel):	12V DC / 200mA
Input Signal Analog:	0 to $\pm 5V$ or 0 to $\pm 10V$
Measurement range:	0 to $\pm 6,25V$ or 0 to $\pm 12,5V$
Input resistance:	1 M Ω
Accuracy:	0,2%
Non-linearity:	0,1%
Limit frequency (3dB):	35kHz (with Filter: 1kHz)
Input Signal Angle:	TTL or Open-Collector
Frequency range:	0 - 25 kHz
Resolution AD-converter:	11 Bit + 1 Bit for leading sign
Switching output (Optocoupler):	IO, NIO, Motor on max. 24V / 150mA
Network connection:	Ethernet 100MBit/s
Dimensions:	190 x 112 x 51 mm
Weight:	ca. 900 g

Order Code: ValueMaster_{Base}
Measurement module with Network connection,
Cross-over-Cable and wall power supply included.

Available accessories:

Measurement cable, Torque transducer, Force transducer

