



## Torque sensor for measuring the load in the test bed Data logging for measuring torques



The torque sensor works independently from the speed and is used for static torque measurement. The installation position is arbitrary and the measurement is made wear-free. The device is structured as reaction-torque sensor and is fixed on one side. According to the load direction of the torque, the sensor supplies via the measuring amplifier a signal of 0-10 VDC and 0-20 mA and that over the whole range of measuring.

### Technical Data:

Type	rated moment	Type	rated moment
TRS 05	5 Nm	TRS 100	100 Nm
TRS 50	50 Nm	TRS 200	200 Nm

Range of measuring	0 – 100 %
Nominal value	0,6 mV/V from the end value (TRS 50-200) 0,15 mV/V from the end value (TRS 05)
Accuracy	0,5 % from the end value at 20° C
Limits of overload	50 % from end value
Supply voltage	10 VDC
Bridge impedance	350 Ohm
Operating temperature	-30 ... +80°C
Compensating range	-30 ... +80°C
Zero deviation	0.02% / °C
Housing	aluminium