



## 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 arbitrarily 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         | 0,8 mV/V from the end value       |
| Accuracy              | 0,5 % from the end value at 20° C |
| Limits of overload    | 15 % 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                         |