

Technical data:

Torque meter		TM-1	TM-10
Nominal voltage:		230 V AC $\pm$ 10 %; 50 - 60 Hz	
Power consumption:		< 5 W	
Temperature range:		+5 .. +40 °C	
Instrument protection degree:		IP 5X	
Dimensions (L x W x H); weight: instrument/sensor setup		200 x 140 x 80 mm; 620 g / max. 67 x 1000 x 112 mm; 4500 g	
Measuring principle:		torsional axis, optical detection	
Torque measuring range:		0 .. 10 Nmm	0 .. 100 Nmm
Resolution; measuring error @21°C, 1000 RPM:		0,001 Nmm; < 2 % $\pm$ 1 dig	
Measuring interval:		approx. 0,5 s	
Torque controlled out:		TTL 5V, 20 mA	
Rotation measuring range:		230 .. 10.000 RPM	
Rotation analog output; accuracy:		0 .. 10 V @ 0 .. 10.000 RPM ; > 2 %	
Hysteresis brake working range; brake current:		0 .. 200 Nmm; 0 .. 150 mA	
Brake current control:		multi-turn pot./serial port/voltage in. .. 10 V	
Communication port:		RS 232, 19.200 bps; 8/1 bit	