

Torque Transducer Type DRFS 1/4"-w-S.. with hexagonal drive and angle detection



For documentation according to DIN EN ISO 9000ff

It distinguishes with the following special features:

- universal fixing to widely available electric screwdrivers
- fixed connection between transducer and electric screwdriver
- can be fixed in any position which causes easy handling
- wartungsfrei durch berührungslose Messwertübertragung
- No service needed because of contactless data acquisition
- Frequency modulation and strain gage principle cause high accuracy



Technical Specifications:

Measurement Range:	1; 2; 5; 10; 20Nm
Supply Voltage:	12V DC $\pm 10\%$
Current Consumption:	approx. 200mA
Rise Time 10-90%:	1ms (1kHz)
Voltage Output:	0- $\pm 5V$
Internal Resistance:	100 Ω
Ripple:	< 100mVss
Nonlinearity:	< 0,15%
Hysteresis:	< 0,1%
Deviation at zero point:	$\leq \pm 100mV$
Operating Temperature:	0-60°C
Compensated Temperature Range:	5-45°C
Temperature fault	
Zero Point:	0,02%/K
Sensitivity:	0,01%/K
Mechanical Overload:	100%
rev. max:	8 000 1/min
Weight:	approx. 250g
Connection:	2,5m cable with female 12pin connector

Option:

Angle	(w)
rev. max:	3 000 rpm
Output:	Open- Collector
internal pull up:	10k Ω (5V level)
external pull up:	24Vmax
I max:	20 mA
Pulses/rev.:	360
Resolution:	1°

Rotation direction:

2 Imp. 90° phase shifted
Channel A precedes at right turn

Ordering Example:

DRFS 2 - 1/4" - w - S..

Torque transducer frequency-modulated with hex

Measurement range

Connection: 1/4 inch

S2- Delvo screw driver Type DLV-7130
S3- HIOS screw driver Type CL-4000
S4- HIOS screw driver Type CL-6500
S5-
S6- Elekta screw driver Type EL 15
S7- Elekta screw driver Type EL 25 - 35

Angle detection (only when option)

Available Accessories: Measuring cable, supply and display unit

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