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TA125 ±15Nm, ±50Nm, ±120Nm, ±350Nm, ±600Nm

Description

The torque sensor TA125 is suitable for measuring the reaction torque up to a nominal torque of 600Nm (corded, non-rotating).

The torque sensor TA125 is used to monitor torques in quality assurance.

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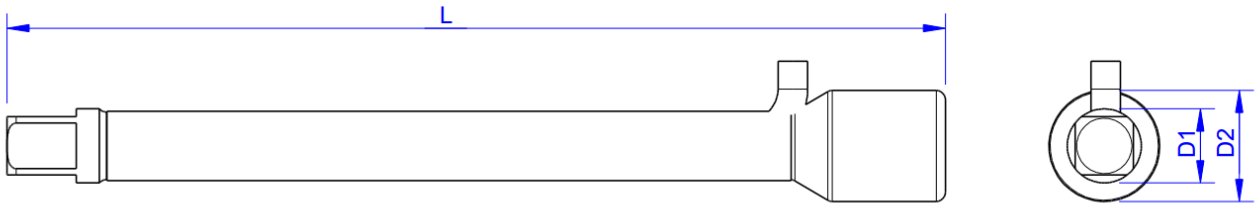
Dimensions



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Technical Data

Basis Data

Type	full cylinder	
Maximum operating torque	150	%FS
Breaking torque	400	%FS
Rated torsion angle	0.7	°/FS
Torque introduction	Außenvierkant	
Dimension 1	1/4''	
drehmomentausleitung	Innenvierkant	
Dimension 2	1/4''	
Material	Tool steel	

Elektrische Daten

Input resistance	350	Ohm
Tolerance input resistance	5	±
Output resistance	350	Ohm
Tolerance output resistance	5	±
Insulation resistance	5x10^9	Ohm
Rated range of excitation voltage f	2.5 ... 5	V
Operating range of excitation voltage f	1 ... 10	V
Zero signal	0.05	mV/V
Rated output	2.3	mV/V / FS

Precision

Accuracy class	1%	
Relative linearity error	0.1	%FS
Relative zero signal hysteresis	0.1	%FS
Temperature effect on zero signal	0.01	%FS/K
Temperature effect on characteristic value	0.01	%RD/K
Relative creep	0.05	%FS

Connection Data

Connection type	4 conductor open	

Temperature

Rated temperature range f	-10 ... 60	°C
Operating temperature range f	-10 ... 85	°C
Storage temperature range f	-10 ... 85	°C

Abbreviation : RD: „Reading“; FS: „Full Scale“;

1) The exact nominal sensitivity is indicated in the test report.

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accessories

	Description	Description
	Factory calbration certificate Nm/50/5	Detection of the characteristic value and the traceability to DKD torque device
	Factory calbration certificate Nm/50/5/System	Proof of the characteristic value and the traceability on DAkkS torque device, including system calibration
	Factory calbration certificate Nm/200/5	Detection of the characteristic value and the traceability to DKD torque device
	Factory calbration certificate Nm/200/5/System	