



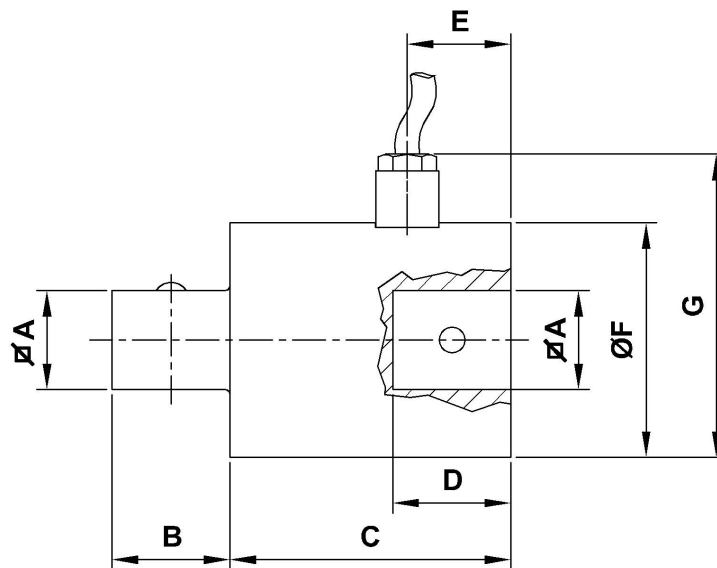
$\leq \pm 0.20\%$ Linearity - Hysteresis

JIT SIT certificate on request



High long term stability
For dynamic applications

Dimensions [mm]



CODE	LOAD	Ø A	B	C	D	E	F	G
MTRS05NM	0.5 Nm	1/4"	7.5	44	8	10	45	59
MTRS2.5NM	2.5 Nm	1/4"	7.5	44	8	10	45	59
MTRS5NM	5 Nm	1/4"	7.5	44	8	10	45	59
MTRS10NM	10 Nm	1/4"	7.5	44	8	10	45	59
MTRS25NM	25 Nm	3/8"	10.5	44	11	10	45	59
MTRS50NM	50 Nm	3/8"	10.5	44	11	10	45	59
MTRS100NM	100 Nm	1/2"	15.0	44	16	10	45	59
MTRS250NM	250 Nm	1/2"	15.0	44	16	10	45	59
MTRS500NM	500 Nm	3/4"	22.5	53.5	24	19.5	51	65
MTRS1KNM	1000 Nm	3/4"	22.5	53.5	24	19.5	51	65

TRS

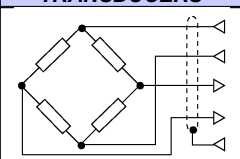
Technical Data

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	STATIC NOMINAL TORQUE	0.5 – 2.5 Nm 5 - 10 Nm 25 Nm	50 – 100 Nm 250 – 500 Nm 1000 Nm
	LINEARITY and HYSTERESIS	≤ ± 0.2 %	
	TEMPERATURE EFFECT (1°C): a) on zero b) on sensitivity	≤ ± 0.02%	
	NOMINAL SENSITIVITY SENSITIVITY TOLERANCE	1 mV/V ≤ ± 0.5%	2mV/V ≤ ± 0.5%
	NOMINAL POWER SUPPLY MAX. POWER SUPPLY INPUT RESISTANCE OUTPUT RESISTANCE INSULATION RESISTANCE ZERO BALANCE	1-15V 18V 440 ± 20Ω 350 ± 5Ω >2 GΩ ≤ ± 0.5%	
	LIMIT MECHANICAL VALUES REFERRED TO NOMINAL TORQUE : a) service torque b) max. permissible torque c) breaking torque d) highly dynamic torque	100% 150% >300% 70%	
	REFERENCE TEMPERATURE WORKING TEMPERATURE RANGE STORAGE TEMPERATURE RANGE	+23°C -10/+70°C -20/+80°C	
	PROTECTION CLASS (EN 60529) SENSOR EXECUTION MATERIAL ELECTRICAL CONNECTION	IP40 INOX 17-4 PH Cable 5m	
	PROCESS COUPLING (UNI ISO 1174-1): 0.5 - 2.5 – 5 - 10 Nm 25 - 50 Nm 100 – 250 Nm 500 – 1000 Nm	<ul style="list-style-type: none"> ■ 1/4" ■ 3/8" ■ 1/2" ■ 3/4" 	

Electrical Connections

PVC 105°C shielded Ø5.2 mm cable, with 4 tinned Ø0.35mm² conductors.

TRANSDUCERS	OUTPUT	CABLE	
	EXCITATION+ EXCITATION - OUTPUT+ OUTPUT- -----	Red Black White Yellow Shield*	

Connected to the body of the torque transducer.



NORDIC TRANSDUCER

NORDIC TRANSDUCER

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In order to improve the technical performances of the product, the company reserves the right to make any changes to this transducer without notice.