



DATA SHEET

Torquemeter MDNFM3 5 – 10 kNm		
rated torque typ. M_N	Nm	10.000
maximum rated torque max. M_N	Nm	15.000
overload capability torsional shaft, related to M_N		>5 M_N
rated speed n_{max}	min ⁻¹	3.200
accuracy incl. Hysteresis and nonlinearity related to rated torque		0,1
Temperature effect on zero per 10 K related to M_N	%	< ± 0,1
operating temperature range	°C	0.. + 70
functional temperature range	°C	-10 ... +80
TORQUE OUTPUT		
frequency	kHz	60 ± 20
dynamic	kHz	>1,5
calibration signal	-	ca. 70% of M_N
SPEED OUTPUT		
pulses per rev.	-	300
outputsignal (RS422, TTL)		2 tracks
minimum speed for proper working	min ⁻¹	>0
MECHANICAL DATA		
weight at rated torque	kg	ca. 34
inertia	gm ²	ca. 150
rotation angle at typ. rated torque	grad	—
torsional stiffness	kNm/rad	—
coupling mass (typ)	kg	—