

Motorized Torque Control System UDM 01

Article no. 379001



The system is composed of an AC-Servomotor with integrated overload-protected torque transducer. This allows to link the NC-controlled rotary-motion with monitoring of the torque / angel of rotation process. With the Unit you can trigger and monitor precisely force and angle of force. The systems can be linked with current field bus systems.

Main functions	Nominal moment	1 Nm
	Nominal revolution	400 U/min
	Dwell time of nominal moment	No limitation
Drive	AC-servomotor with resolver for position measuring.	
	Position encoder	Resolver
	Positioning accuracy	< 0,022 degree
	Gear ratio	i = 5
Drehmomentsensor	Integrated torque transducer; overload-protected	
	Characteristic value	2m V/V
	Measuring accuracy when mounted	< 1,5 % of nominal value
	Measuring accuracy unmounted	< 0,5 % of nominal value
	Smallest measuring step	0,25 Nmm
	Amplifier / W*H*D	Al-diecast housing / 64*35*58 mm
	Output signal	+ / - 10 VDC
	Protection class	IP54
Power amplifier	All-digital pulse-inverter with steady intermediate voltage	
	Type / W*H*D	SP1201 / 100*386*219 mm
	Nominal unit capacity	1.1 kW
	Mains voltage	200 V – 240 V, +/-10 %, 48-65 Hz
	Cable cross sectional – area Input / Output	1 / 1 mm ²
	Protection class	IP 20
	Weight	5 5 kg
	Recommended protection	10 IEC gG / 6 A
	Temperature range	- 10 ... + 50 °C
	Thermal power loss	57 W
Additional Inputs	1x Analog / 1x Incremental	11 Bit / Encoder (max. 410 kHz)
Interface PC	Standard / Optional	RS 485 / Ethernet
PLC Interface (24 VDC)	Standard (Optional Link module)	3 E / 4 A (12 E / 12 A)
PLC fieldbus interface	Optional	Profibus, CANOpen, Interbus, DeviceNet

