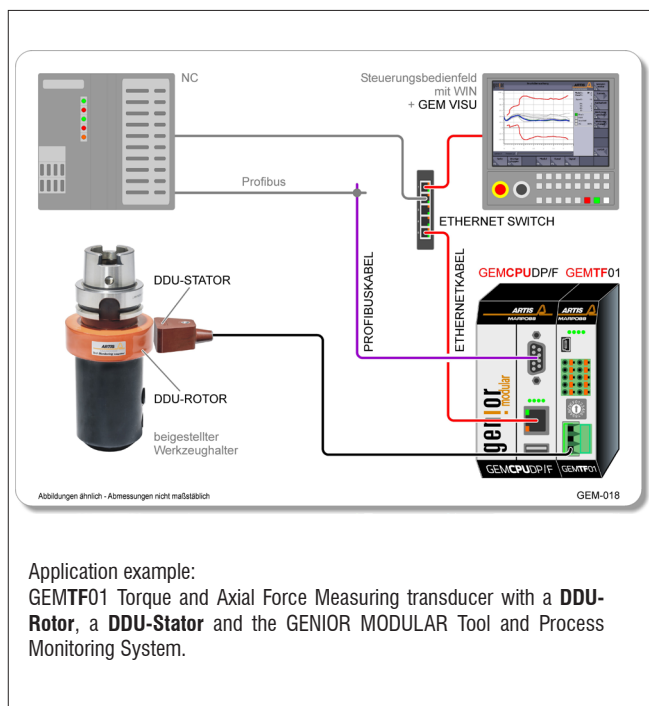
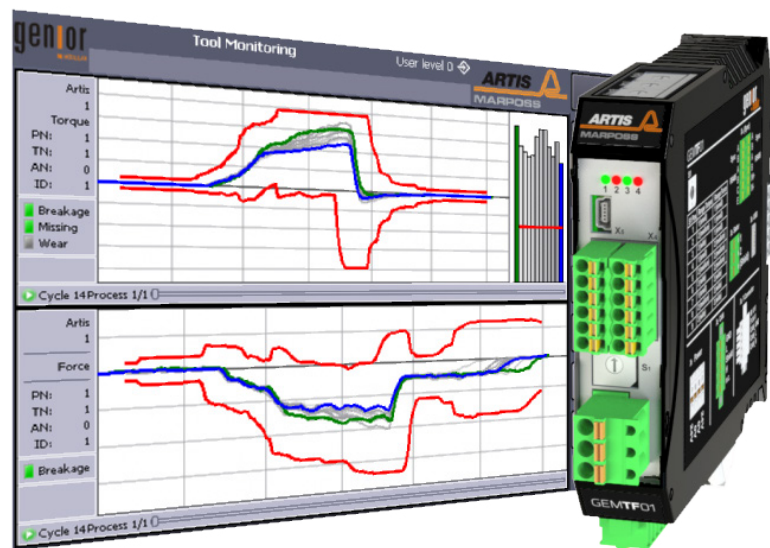


GEM TF 01 GENIOR MODULAR MEASURING TRANSDUCER FOR TORQUE- AND AXIAL FORCE SENSORS



Properties

- Component of the tool and process monitoring system GENIOR MODULAR
- Measuring transducer for connecting the DDU sensor system
- ARTIS CAN bus
- Top hat rail module
- Supply voltage 24 V

Applications

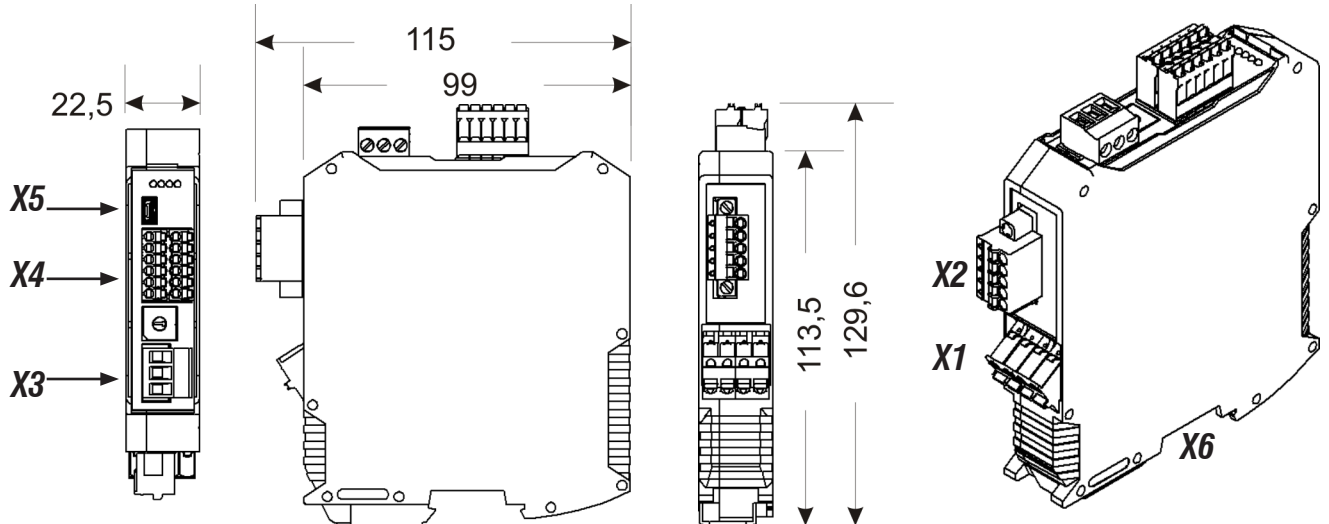
- Contactless monitoring of torque and axial force
- Monitoring of drilling and threading processes
- 3 measuring ranges each, for torque and axial force

Front view

bottom view

view from the right side

perspective view



GENERAL DATA	
ARTICLE NUMBER	O830Z910302
DIMENSIONS	see drawing
WEIGHT	0.120 kg
MATERIAL	Polyamide PA 6.6
STORAGE TEMPERATURE	-20 °C... +60 °C
OPERATING TEMPERATURE	+5 °C... +50 °C
UL-CLASSIFICATION	VO (UL94)
DEGREE OF PROTECTION	IP20
RELATIVE HUMIDITY	5 % ... 85 %, no condensation
INSTALLATION	DIN EN 60715 standard mounting rail Wall assembly
CONTACTING	Spring terminals, screw terminals
OPERATION	Switch-over of measuring range CAN-Baud rate CAN Node-Id

MEASURING	
MEASURING RANGES	3 ranges each, for torque and axial force; setting via rotary switch
ACCURACY	
FREQUENCY RANGE	refer to the data sheet of the DDU sensor system
SAMPLING RATE	
RESOLUTION	

CONNECTIONS	
CONNECTION X1	24 V DC \pm 20 %, max. 5 % ripple (or via in-rail bus connector)
NOM. CURRENT CONSUMPTION	max. 300 mA
CONNECTION X2	CAN connection
CONNECTION X3	Sensor connection DDU stator
CONNECTION X4	SWITCHING OUTPUTS 1 open coll.-output, 5 – 40 V DC max. 150 mW CONTROL INPUTS Activation 18 – 36 V DC INTERFACES ARTIS CAN bus Synchronization bus USB Stator-connection
CONNECTION X5	USB DATA OUTPUT via USB every 10 ms, format ASCII for feed and torque
CONNECTION X6	CAN-Bus, 24 VDC
CONFORMITY	CE, UKCA



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For a full list of address locations, please consult the Marposs official website

ODN6422EN04 – Edition 04/2022– Specifications are subject to modifications
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