

GEM AM 01 GENIOR MODULAR MEASURING TRANSDUCER FOR ACOUSTIC EMISSION SENSORS

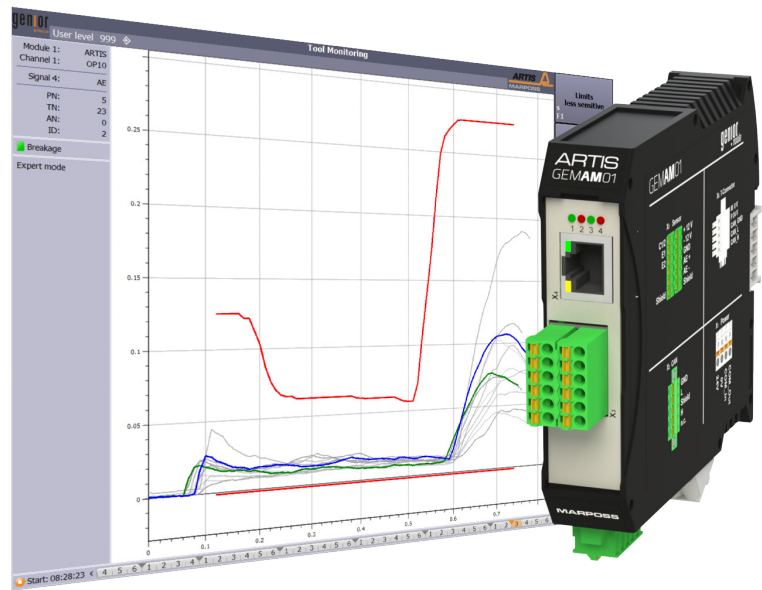
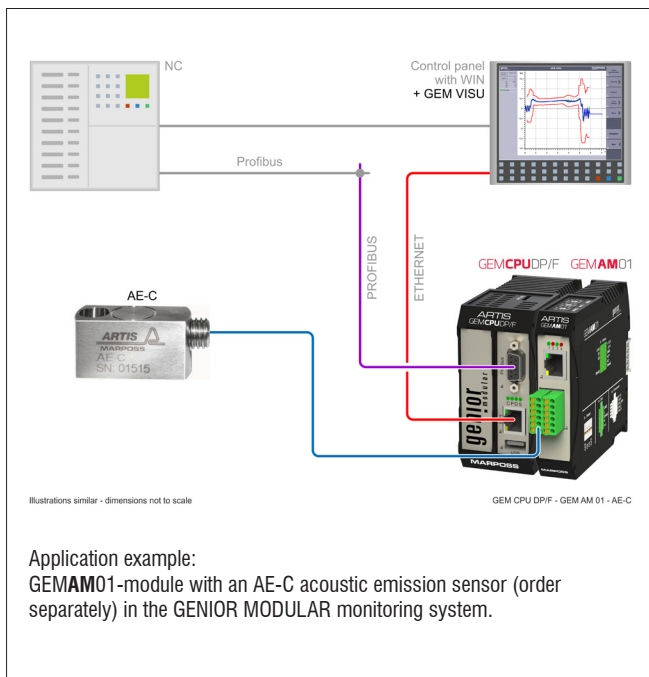


Illustration similar

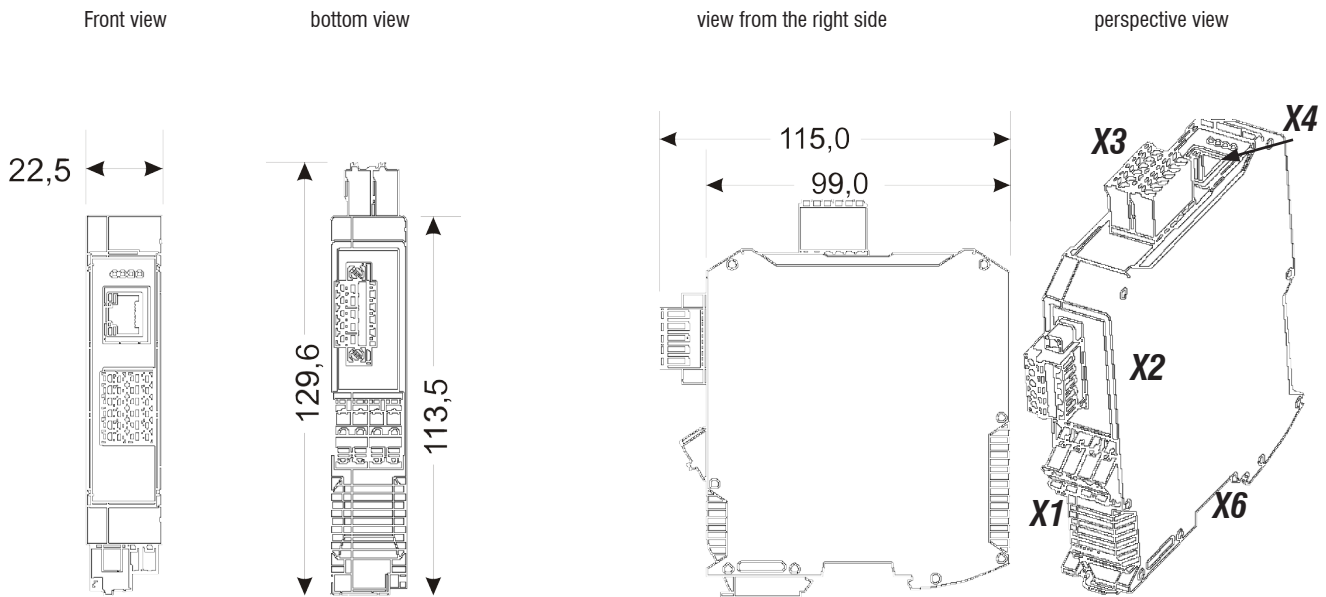


Properties

- Component of the tool and process monitoring system GENIOR MODULAR
- 1 sensor input
- 12.5 kHz ... 250 kHz frequency range
- 630 kHz sampling rate
- 16 bit resolution
- Transmission of measuring data via ARTIS CAN bus
- Simple installation in the electrical cabinet

Applications

- Monitoring of shank tools in multi-spindle heads
- Breakage monitoring of small drills in large drilling spindles



GENERAL DATA	
CODE	O830Z711101
DIMENSIONS	see drawing
WEIGHT	0.172 kg
MATERIAL	Polyamide PA 6.6
STORAGE TEMPERATURE	-20 °C... +60 °C
OPERATING TEMPERATURE	0 °C... +50 °C
UL-CLASSIFICATION	VO (UL94)
DEGREE OF PROTECTION	IP20
REL. HUMIDITY	5 % ...85 %, no condensation
INSTALLATION	DIN EN 60715 standard mounting rail
CONTACTING	Spring terminals, in-rail bus connector

MEASURING	
MEASURING INPUTS	ARTIS sensors AE-x (constant current 4 mA)
FREQUENCY RANGE	12.5 kHz ... 250 kHz
SAMPLING RATE	630 kHz
RESOLUTION	16 bit

CONNECTIONS	
CONNECTION X1	24 V DC \pm 20 %, max. 5 % ripple (via in-rail bus connector)
NENNSTROMAUFNAHME	max. 200 mA
CONNECTION X2	Can bus connector
CONNECTION X3	Sensor connection ARTIS AE-X sensors 2 x switching output (opto coupler); without function or is not being supported
CONNECTION X4	Ethernet (for service purposes only)
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

ODN6422EN01 - Edition 01/2025 - Specifications are subject to modifications
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