

GEMAMS

MACHINE PROTECTION AND TEMPERATURE MONITORING

Properties

- Fast alarm outputs < 1 ms
- 3 accelerometer inputs (IEPE standard)
- 3 temperature sensor inputs
- 1 elaborated signal based on frequency
- 8 different scenarios
- 3 static limits defineable for each signal
- Analysis and diagnostics tool VisuScope available
- MultiView capable

If GEMAMS is connected to the GENIOR MODULAR system, the following additional signals are available for tool and process monitoring:

- 3 x acceleration (m/s² or g)

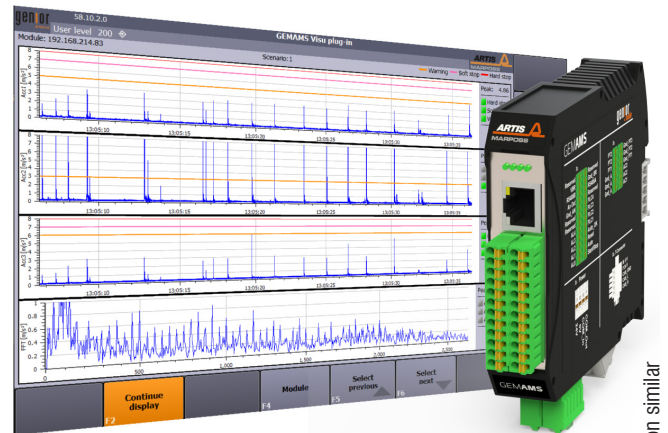
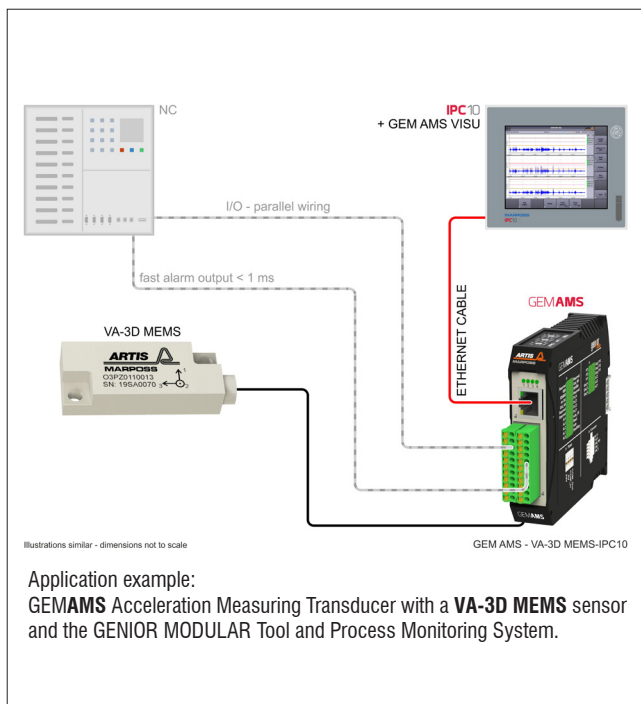


Illustration similar



GEMAMS in stand-alone mode

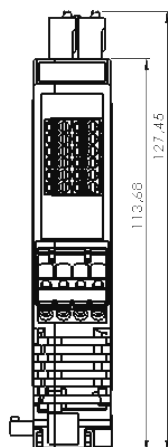
Additional features in stand-alone mode

- Alarm event data recording
- Signal values stored in a .CSV log file
- Possibility to see gravity values (only with dedicated sensor)
- Physical I/O interfaces (7 inputs, 6 outputs)

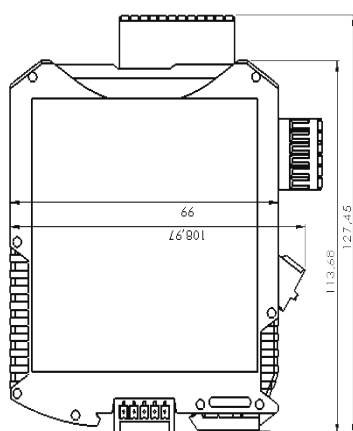
Available signals

- 3 x acceleration (m/s² or g)
- 1 signal based on frequency, FFT, PSD or ND (512 points)
- 3 x temperature
- 3 x gravity (only with dedicated sensor)

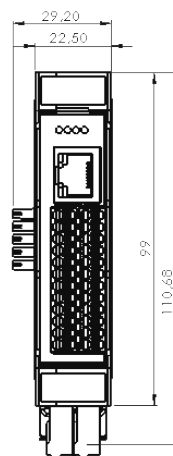
Front view



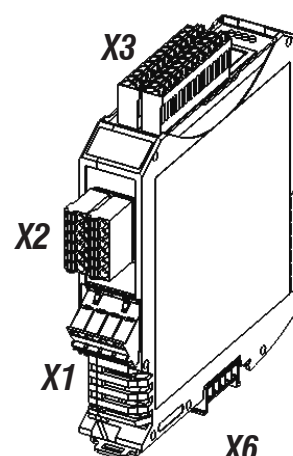
View from the left side



Top view



Perspective view



GENERAL DATA	
ARTICLE NUMBER	0830Z910101
STANDARD IP ADDRESS	192.168.214.96
DIMENSIONS	see drawing
WEIGHT	0.196 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	IP30
ATMOSPH. REL. HUMIDITY	Storage < 95 % Operation < 85 % + ... 85 % ≤ RH < 95 %
INSTALLATION	DIN EN 60715 standard mounting rail
CONTACTING	Spring terminal, in-rail bus connector

MEASURING	
MEASURING INPUTS	3 x IEPE 3 x PT100 suitable sensors (order separately): all acceleration sensors with IEPE-interface and PT100 temperature sensors 1 x RS485 (with optional VA-3D MG sensor)
ACCURACY	< 0.5 %
FREQUENCY RANGE	10 Hz ... 8 kHz
SAMPLING RATE	16 kHz
RESOLUTION	16 bit

SOFTWARE REQUIREMENTS VISUALIZATION	
OPERATING SYSTEM	<ul style="list-style-type: none"> Microsoft Windows® as of WIN XP SP3 Siemens 840D as of V 04.05. (PCU/TCU)

MINIMUM RAM	512 MB
MIN. CLOCK FREQUENCY	600 MHz
MOUSE/TOUCHSCREEN OPERATION	recommended
ETHERNET	10/100 MBit/s

CONNECTIONS	
CONNECTION X1	24 V DC ±20 %, max. 5 % ripple (or via in-rail bus connector)
NOM. CURRENT CONSUMPTION	max. 250 mA
CONNECTION X2	3 x IEPE, 3 x PT100
CONNECTION X3	When using the GEMAMS module for collision monitoring, only acceleration values are measured.
IN-/OUTPUT SIGNALS	7 input signals, 6 output signals
INPUTS	
1-SIGNAL SOURCE	8 V ... 36 V / 5 mA
0-SIGNAL SOURCE	0 V ... 7 V / 5 mA
1-SIGNAL SINK	0 V ... 19 V / 5 mA
0-SIGNAL SINK	20 V ... 36 V / 5mA
OUTPUTS	
1-SIGNAL SOURCE	24 V typical, max. 100 mA
0-SIGNAL SOURCE	open
1-SIGNAL SINK	0 V ... 1 V
0-SIGNAL SINK	open
CONNECTION X6	CAN bus, 24 V DC
CONFORMITY	CE, UKCA

OPERATION WITH GENIOR MODULAR	
Interface	CAN bus



www.marposs.com

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

ODN6422EN18 – Edition 05/2022 – Specifications are subject to modifications
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