

Illustration similar

VIBRATION AND ACCELERATION MEASURING TRANSDUCER

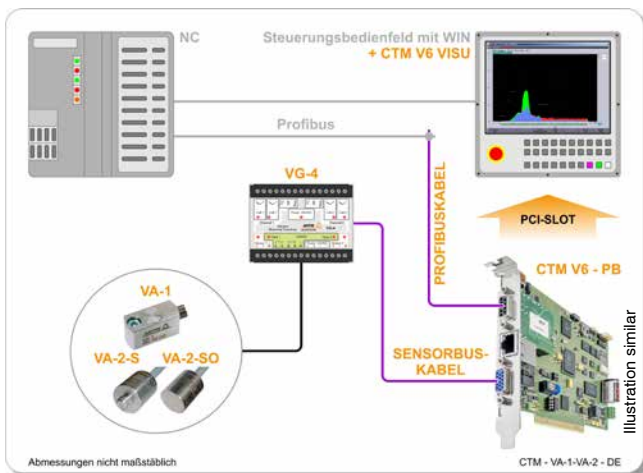


Illustration similar

The VG-4 measuring transducer with a connected piezo vibration and acceleration sensor is part of the CTM Tool and Process Monitoring System.

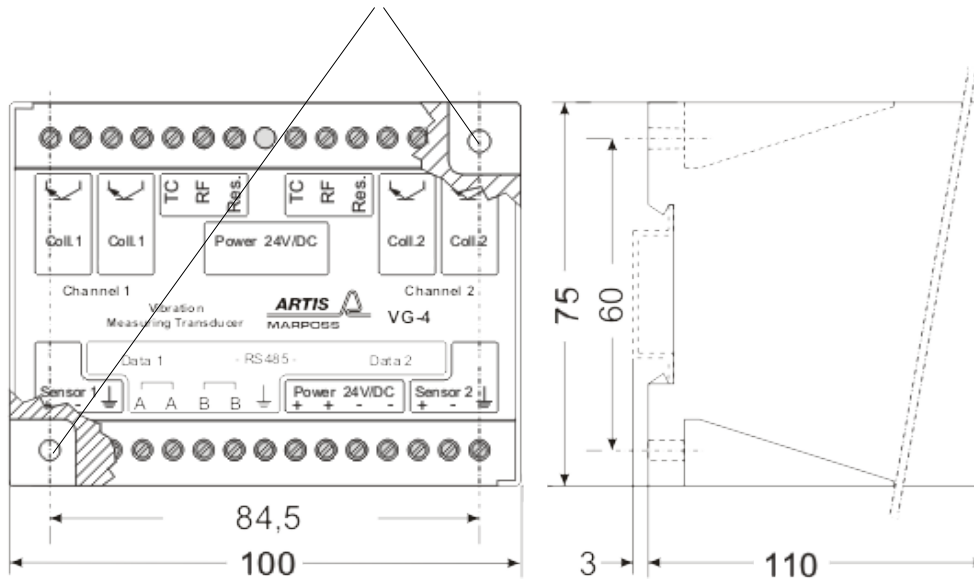
Special Features

- Operation with the CTM Tool and Process Monitoring System
- Recording and analysing of acceleration and vibration speed
- Machine stop via machine control when unbalance is detected
- Early detection of rolling bearing-damage when testing regularly

Vibration and Acceleration Measuring Transducer

VG-4

2 mounting holes Ø 4,5 mm



VG-4 O830Z810101		
Dimensions	see drawing	
Weight	380 g	
Material	Makrolon	
Degree of protection	IP20	
Contacting	Screw terminals	
Operating temperature	0 – 50 °C	
Rel. humidity	5 – 85 % without condensation	
Mounting	<ul style="list-style-type: none"> Standard mounting rail acc. to DIN EN 60715 Wall assembly 	
Voltage supply	24 V DC (18 – 36 V), stabilized, max. 5 % ripple	
Nom. current consumption	250 mA	
Programmable analog gain	adjustable in 12 steps via the CTM monitoring system	
Interface	ARTIS sensor bus ASB (RS485)	
Measuring inputs	2 x ARTIS acceleration sensor or ICP®-interface <small>ICP® is a registered trademark of PCB Group, Inc.)</small>	
Frequency ranges	Norm band	10 Hz – 1000 Hz
	Broad band	10 Hz – 5600 Hz
	High band	250 Hz – 5600 Hz

Control inputs (per channel)	Tool Change	24 V DC
	Rapid Feed	24 V DC
	Reset	24 V DC
	low 0 – 5 V DC, high 14 – 28 V DC	
Switching outputs	2 x open coll. outputs 18 – 36 V DC max. 150 mW response time in case of collision < 1 ms	
Operation within CTM system	via operation panel of the NC control using the ARTIS CMT menu	
Supported ARTIS vibration and acceleration sensors	Also refer to data sheets for details.	
	VA-1 VA-1/10	mounted on spindle housing
	VA-2-S VA-2-SO	mounted in spindle housing
	VA-3D	3 axes sensor, Note: 2 VG-4 units are required if the VA-3D sensor is used!
Conformity	CE	

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

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