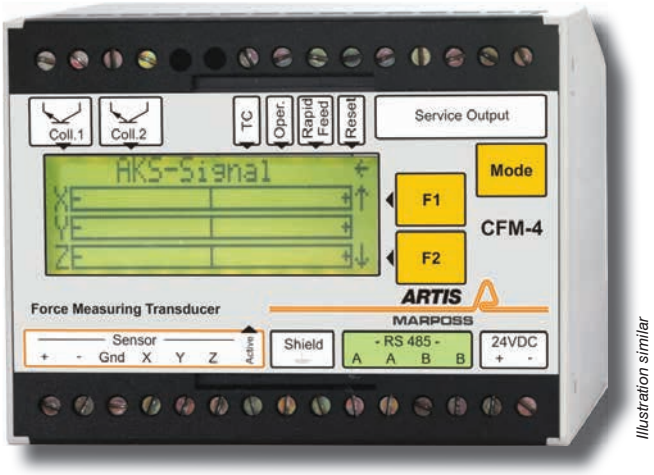


Illustration similar

FORCE MEASURING TRANSDUCER

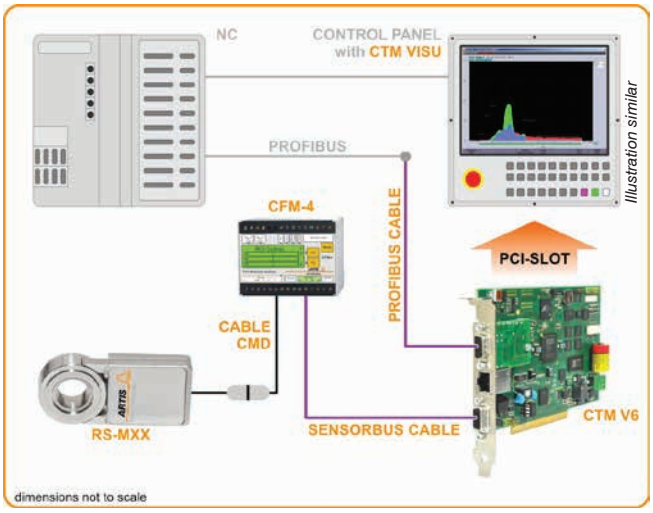


Illustration similar

Application example:
CFM-4 measuring transducer with an ARTIS piezo electric force sensor RS-Mxx and the Tool and Process Monitoring System CTM V6.

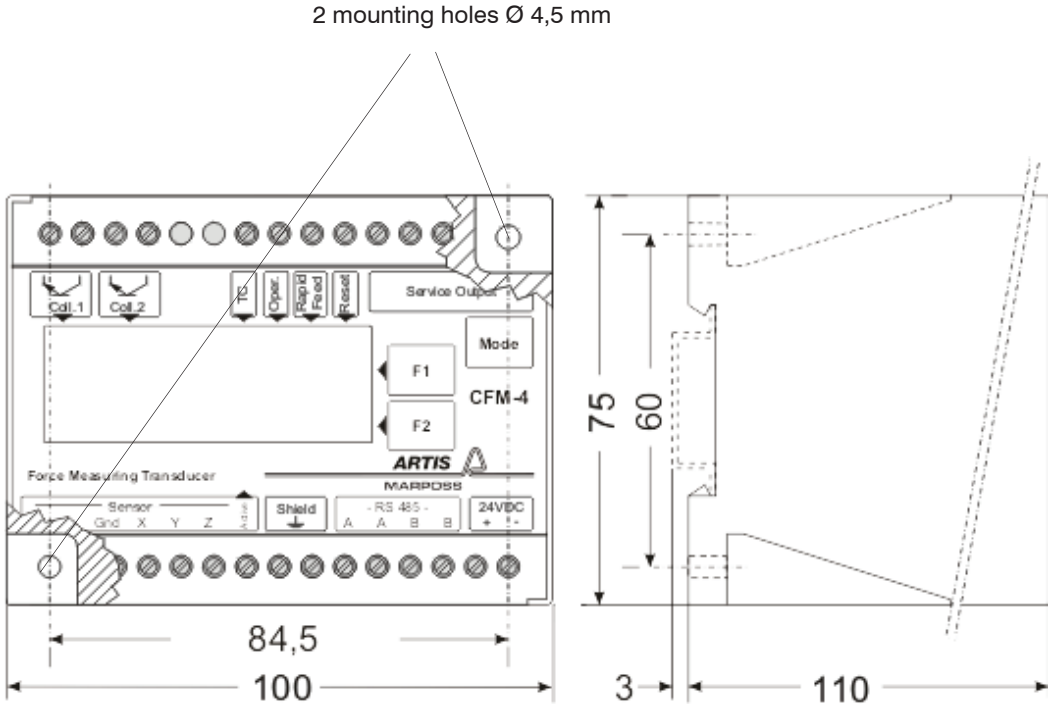
Special Features

- For ARTIS piezo electric force sensors with integrated load amplifier
- Suitable for recording 3 sensor signals (with CTM)
- Recording includes time and axis direction

The CFM-4 force measuring transducer may be operated with the CTM Tool and Process Monitoring System and as a stand-alone device. In stand-alone mode, monitoring is set directly via the graphics-capable display and three membrane keys.

Force Measuring Transducer

CFM-4



	CFM-4 O830Z310701
Dimensions	see drawing
Weight	380 g
Material	Makrolon
Degree of protection	IP20
Contacting	Screw terminals
Operating temperature	0 – 50 °C
Relative humidity	5 – 85 % without condensation
Mounting	• Standard mounting rail acc. to DIN EN 60715 • Screw connection
Voltage supply	24 V DC (18 – 36 V), stabilized, max. 5 % ripple
Nominal current consumption	max. 250 mA
Programmable analog gain	each axis adjustable in 12 steps: 1, 2, 4, 8, 10, 20, 40, 80, 100, 200, 400, 800
Interface	ARTIS sensor bus ASB (RS485)
Measuring inputs	3 x ±10 V Also refer to interface of the ARTIS force sensor, e.g. RS-Mxx, AKS-x.
Frequency range	0 – 1000 Hz

Control inputs	Tool Change Operate Rapid Feed Reset	24 V DC 24 V DC 24 V DC 24 V DC
	low 0 – 5 V DC, high 14 – 28 V DC	
Switching outputs	Coll.1 (Out1)	Collision alarm, open Coll-output, 18 – 36 V, up to max. 150 mW
	Coll. 2 (Out2)	Collision alarm/signal for material contact, open Coll.-output, 18 – 36 V, up to max. 150 mW
Operation		
within CTM system		Via operation panel of the NC control using the ARTIS CMT menu
as stand-alone device		Using 3 membrane keys and the illuminated, graphics capable LCD display. Analog outputs 0 to 10 V V for X, Y, Z and sum signal (X+Y+Z) e.g. applicable for PC measuring cards and other systems
Conformity	CE	

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

www.marposs.com

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Marposs has an integrated system to manage the Company quality, the environment and safety, attested by ISO 9001, ISO 14001 and OHSAS 18001 certifications. Marposs has further been qualified EAQF 94 and has obtained the Q1 Award.

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