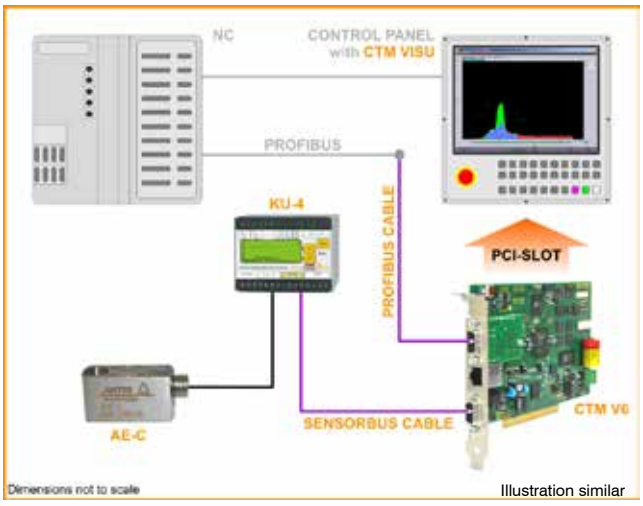
Illustration similar

ACOUSTIC EMISSION MEASURING TRANSDUCER



Application example:
KU-4 measuring transducer with an ARTIS acoustic emission sensor AE-C and the Tool and Process Monitoring System CTM V6.

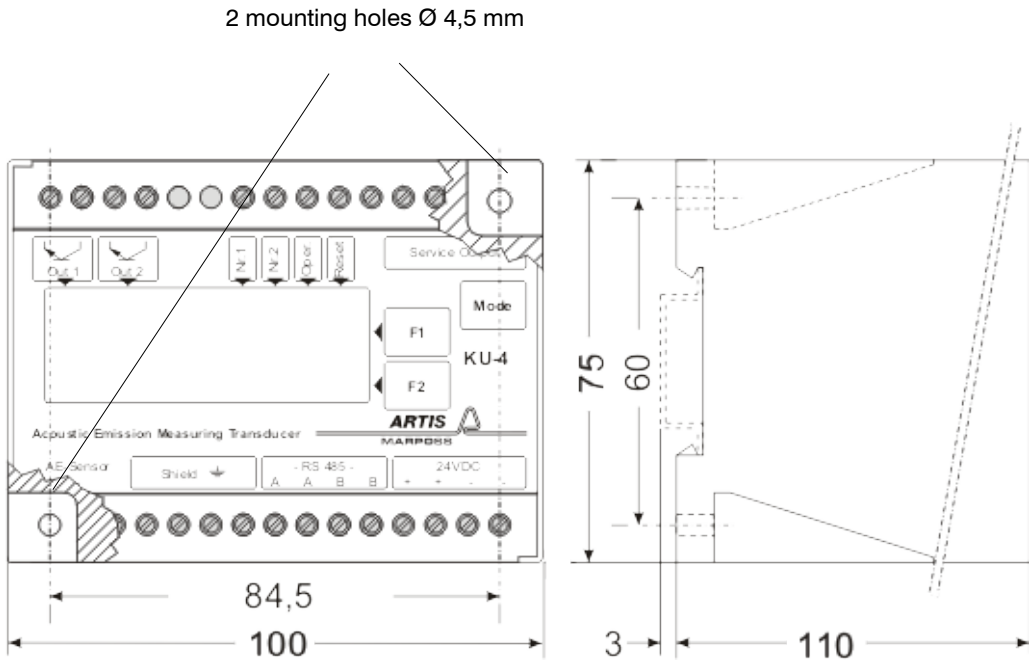
Special Features

- Monitoring of shaft tools in multi-spindle heads
- Breakage monitoring for drilling processes
- 'Contact detection' while grinding
- Installation on standard mounting rail acc. to DIN EN 60715

The KU-4 measuring transducer is used with the acoustic emission sensors AE-C or AE-C MICRO. The device may be operated in stand-alone mode or with the CTM Tool and Process Monitoring System. In stand-alone mode monitoring is set directly via the graphics-capable display and three push-buttons.

Acoustic Emission Measuring Transducer

KU-4



	KU-4 O830Z311101
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	• 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	adjustable in 12 steps: 1, 2, 4, 8, 10, 20, 40, 80, 100, 200, 400, 800
Interface	ARTIS sensor bus ASB (RS485)
Measuring inputs	ARTIS Acoustic emission sensors AE-C or AE-C Micro
Frequency ranges	10 – 50 kHz, 50 – 150 kHz, 10 – 250 kHz,100 – 250 kHz

Control inputs	Tool Change (Nr. 1) 24 V DC Operate 24 V DC Rapid Feed (Nr. 2) 24 V DC Reset 24 V DC low 0 – 5 V DC, high 14 – 28 V DC
Switching outputs	Coll.1 (Out1): Material contact, open coll-output, 18 – 36 V, up to max. 150 mW response time < 1 ms Coll. 2 (Out2): collision alarm, open coll.-output, 18 – 36 V, up to max. 150 mW response time < 1ms
Operation within CTM system	via operation panel of the NC control using the ARTIS CTM menu
as stand-alone device	using 3 membrane keys and the illuminated, graphics capable LCD display
Conformity	CE

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

ODN6420EN03 – *Edition 01/2018 – Specifications are subject to modifications*

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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