



MEASURING CONTROL SYSTEM MPS-XX-NG

TEVE VARNOST ELEKTRONIKA

DESCRIPTION, APPLICATION

Measuring-control system MPS-XX-NG is electronic device for measuring the physical unit in underground mines. Its robust design makes it suitable for operating in toughest working condition. Device is build of metal housing with hook, which has electronic component inside. On the front side is LCD display. Below display are soft touch keys for device setting.

Main functions:

- Measurement
- Display of results
- Communication
- Alarming
- Audio and visual alarm unit optional



Type	Physical unit	Mark	Measuring range
MPS-02-NG	Air flow	v	0 to 20 m/s
MPS-03-NG	Temperature	T	-20 °C to 100 °C
MPS-04-NG	Level	h	by request
MPS-05-NG	Oxygen	O ₂	0 to 30 %
MPS-06-NG	Carbon monoxide	CO	0 to 2000 ppm
MPS-07-NG	Relative humidity	RH	0 to 100 % RH
MPS-08-NG	Pressure	p	100 to 1100mbar
MPS-09-NG	Carbon dioxide	CO ₂	0...5...100 %
MPS-10-NG	Differential pressure	dp	-50 to 50 mbar
MPS-11-NG	Explosive gas - IR	CH ₄	0...5...100 %

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TECHNICAL DATA

Voltage supply	9-15 VDC
Power consumption	max. 100 mA
Working temperature range	-20°C to +50°C
Outlets	0.2 - 1 mA 4 - 20 mA 5 - 15 Hz 0 - 5 V
Mechanical protection	IP66
Dimensions	393 x 130 x 95 mm
Weight	2,5 kg (3,2 kg s SBH)
Cable gland	Fast plug-in connector
Explosion protection	I M1 Ex ia I (ATEX)

AUDIO VISUAL ALARM UNIT -optional

Signal tone	Sweeping 2,3 - kHz
Sound intensity	max. 105 dB (1m)
Flashing light	3x highbridge LEDs (red or yellow)
Signal frequency: Alarm 1	1 Hz
Alarm 2	0.5 Hz
Power consumption	max. 60 mA
Weight (together with basic unit)	3,2 kg

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