



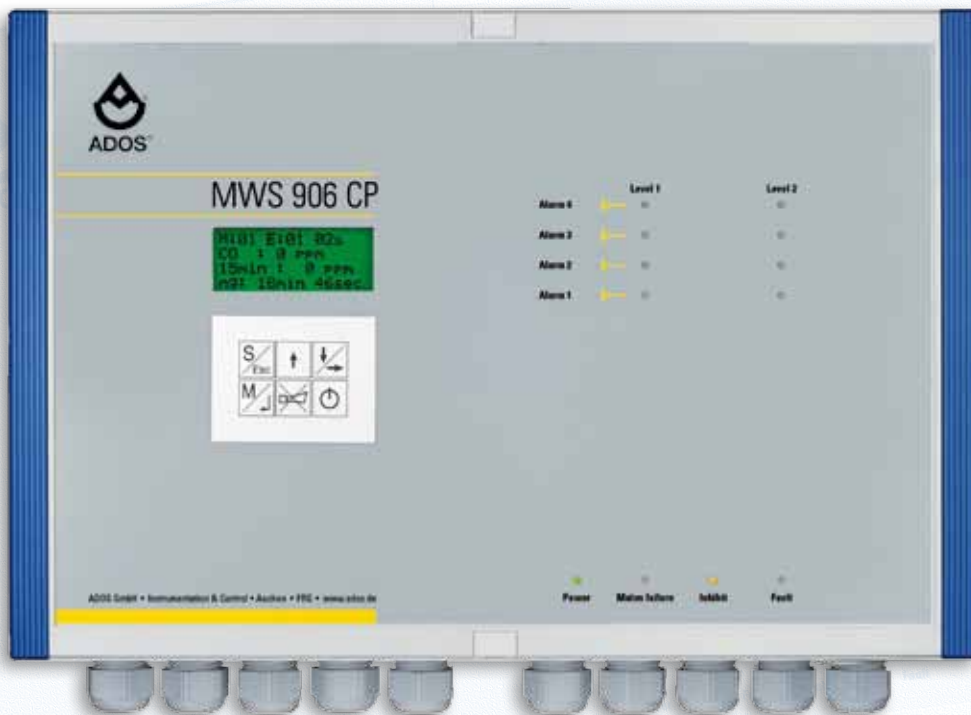
ADOS
est. 1900

Instrumentation and Control



MULTI-CHANNEL GAS WARNING UNIT

MWVS 906 CP



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since 1997
DIN EN ISO 9001
ID: 0110071011



Application

The multi-channel gas warning equipment MWS 906 CP continuously monitors the ambient air and issues an early warning of gases and vapours that are dangerous to health, or when there is a danger of explosion, for non-combustible gases and vapours.

In conjunction with the ADOS TOX592 CO gas measurement sensor, the MWS 906 CP satisfies all requirements of the VDI-guideline 2053.

Fields of Application

Monitoring of:

- Heating systems
- Garages and tunnels
- Liquid gas storage plants
- Laboratories
- Cold-storage depots
- Plastic processing workshops
- Chemical industries
- Paint varnish manufacturers
- Concentration measurement of O₂
- and many more

Features

- 6-section keyboard and backlit 4-line LC-display for displaying actual values, half-hourly average values and fault messages in cleartext
- Ready for operation, fault and gas warning indicators
- Menu-assisted adjustment of equipment parameters via 6-section keyboard
- Two monitoring areas (Levels)
- Five alarm thresholds for each sensor, independently adjustable from 5-100% of the measurement range, also possible: half-hourly average values
- 8 floating outputs for driving additional warning and control devices
- Floating change-over contact for sirens and warning banners for each level
- Serial output RS 232, for connecting a printer or PC
- 4–20 mA current interface as output signal
- Plastic, wall-mounting housing (IP 54)
- High degree of service reliability
- Low power consumption
- Easy installation
- Un-interruptible power supply (UPS) can be used

Examples of measurable gases

Gas	Formula
Carbon monoxide	CO
Nitrogen dioxide	NO ₂
Petrol	
Methane	CH ₄
LPG	C ₃ H ₈ C ₄ H ₁₀
Hydrogen	H ₂

Accessories

Signal horn, warning lights, warning banner, plotter, stand-by power supply unit UPS 2000 24 V.

Further accessories will be available, according to the proposed measurement tasks.

Technical Data

Sensor inputs:	16 two- or three-line sensors (e.g. ADOS GTR 196) with current interface 4–20mA
Sensor supply:	24 V= / 1 A
Measurement ranges:	CO 0–300 ppm NO ₂ 0–30 ppm Petrol 0–100 % LEL CH ₄ 0–100 % LEL LPG 0–100 % LEL H ₂ 0–100 % LEL other ranges by request
Digital inputs:	1 input for cancelling the horn (siren)
Digital outputs:	upto 2 alarm levels, each with 6 relays, of which, for each level: 3 average values 1 instantaneous value 1 horn 1 warning banner 1 fault relay 1 service relay All outputs have floating change-over contacts rated at max. 250 V / 4 A
Standard output signals:	Analog output 2x 4–20 mA 1 serial interface RS 232
Voltage supply:	230 V / 50 Hz 115 V / 60 Hz (optional) 24 V= (optional)
Power consumption:	max. 30 VA
Ambient temperature:	-10 °C to +45 °C
Dimensions (WxHxD):	360 x 270 x 160 mm
Weight:	approx. 4 kg
Protection type:	IP 54 to DIN 40050
Accumulator operating time:	>10 h for a real "mains fault" display
with UPS 2000-24V/4 Ah:	>1 h optional, retaining all equipment functions
Test certificate:	German Technical Inspectorate approval, according to VDI 2053 in conjunction with ADOS TOX592 CO