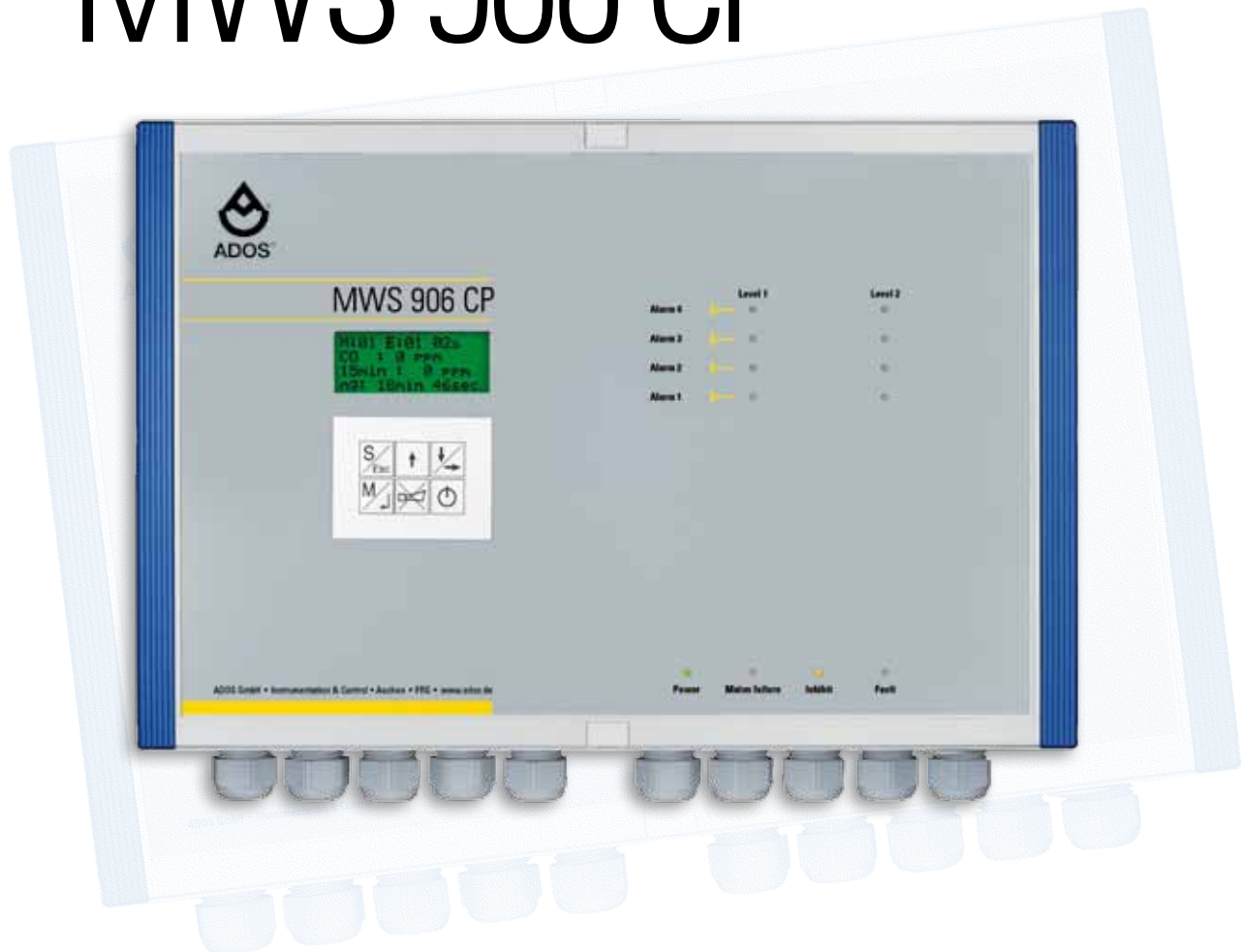




MULTI-CHANNEL GAS WARNING SYSTEM

MWVS 906 CP



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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 to from 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

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.

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

Technical data

Sensor inputs:	16 two-or-three-wire sensors (e.g. ADOS GTR 196) with current interface, 4–20 mA
Sensor supply:	24V DC / 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. 250V/4 A
Standard output signals:	Analog output 4–20 mA Serial interface RS 232
Voltage supply:	115V/60 Hz 230V/50 Hz (optional) 24V/DC
Power consumption:	max. 30 VA
Ambient temperature:	14°F to +113°F
Dimensions (WxHxD):	14.2 x 10.6 x 6.3 inch
Weight:	approx. 8.8 lbs
Protection type:	IP 54 to DIN 40050
Accumulator operating time:	>10h 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