



ADOS
est. 1900

Instrumentation and Control



GAS WARNING SYSTEMS

Accessories



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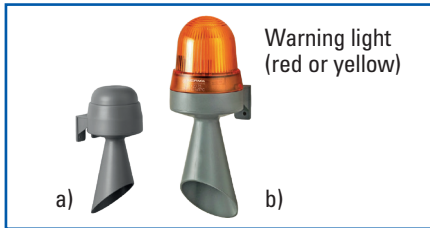
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since 1997
DIN EN ISO 9001
ID: 0110071011



Alarm horn (small version)

Technical data:
 Housing: Shock-proof thermoplastic (ABS), light gray
 Protection class: IP65
 Sound level: 98 dB (A)
 Dimension (WxHxD): a) 83 x 198 x 91mm; b) 83 x 235 x 91mm
 Weight: approx. 0,2kg
 Electrical data: 230V/50Hz, 16VA or 24VDC, 2W
 Option: with integrated warning light



Alarm horn (large version)

Alarm signal for damp rooms and external installation
Technical data:
 Housing: Shock-proof thermoplastic (ABS), light gray
 Protection class: IP55
 Sound level: 108 dB (A)
 Dimension (WxHxD): 148 x 360 x 152 mm
 Weight: 1,1 kg
 Electrical data: 230V/50Hz, 16VA or 24VDC, 8W



Alarm horn (ex version)

Alarm signal for explosion and firedamp endangered factories
Technical data:
 Housing: Seawater-resistant aluminium, weatherproof lacquered
 Protection class: IP66
 Sound level: 108 dB (A)
 Dimension (WxHxD): 133 x 345 x 140 mm
 Weight: approx. 2 kg
 Electrical data: 230V/50Hz, 16VA or 24VDC, 7W



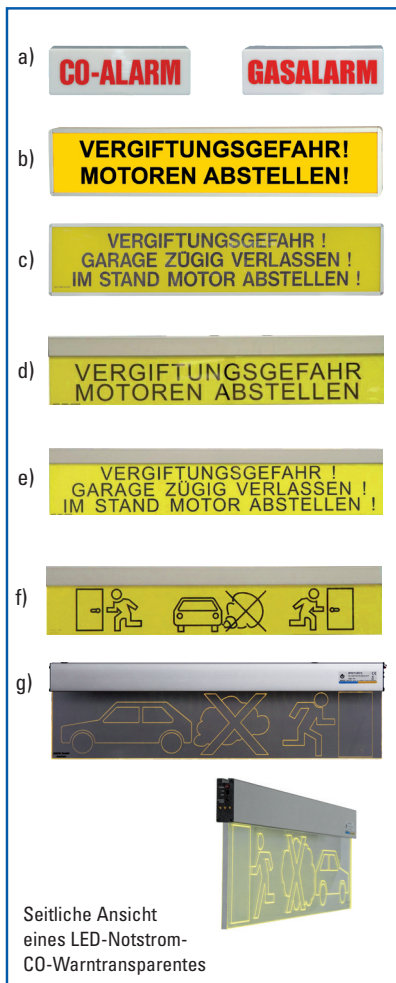
Rotating mirror light, flashing light

a) motor-driven rotating beacon and b) flashing beacon for optical optical warning in the event of impermissibly high gas concentrations
Technical data:
 Housing: Plastic base, transparent yellow glass guard
 Protection class: IP65
 Mirror rotation speed a): 180rpm
 Dimension: Ø 142 mm x 218 mm
 Electrical data: a) 230V/50Hz, 22VA
 b) 230V/50Hz, 32VA or 24VDC, 7W



LED Signal tower

flexibly combinable optical and acoustic signal elements with with the option of retrofitting additional elements for wall and wall and angle mounting.
Technical data:
 Housing: Plastic lid with transparent yellow/red or green protective glass
 Protection class: IP65
 Dimension: Ø 70 mm
 Electrical data: 24V AC/DC, 7W



Warning banner

Optical warning for inadmissibly high levels of gas concentration. Doubleside black lettering on a yellow background. Other lettering available on request.

Technical data:

- a) **Version LED simple** Nominal voltage: 230V/50Hz or 24VDC
IP 44 = 215 x 115 x 110 mm, IP 65 = 310 x 155 x 100 mm
- b) **Version single** (3 x 15W) **or version with integrated emergency supply voltage** (comprising accumulator, charger unit with discharge protection and flasher relay);
Mains supply: 230 V/50Hz;
Dimension (WxHxD): 1000x205x100 mm (2 lines)
- c) **The same like number b)**
Dimension (WxHxD): 1300x260x100 mm (3 lines)
- d) **LED-CO warning banner with stand-by voltage supply "Danger – poison gases/Switch off motor" – without figure**
Appropriated for pendant or wall mounting.
Fitted with: flashing device, discharge protection with power reclosing lockout and switch-over electronics together with a maintenance free NimH-battery for 4,8V; with double-sided black lettering on a yellow background. Flashing at least 1 hour in case of alarm, with 1 m connection cable.
Mains supply: 90 V AC – 264 V AC, 2W; protection class IP30;
Dimension (WxHxD) = 1000 x 205 x 25 mm
- e) **LED-CO warning banner (3 lines) – without figure the same like number d) "Danger – poison gases/Vacate the garage immediately/Switch off motor when stationary"**
Dimension (WxHxD) = 1300 x 260 x 25 mm
- f) **LED-CO warning banner the same like number d) – with pictograms – equivalent to:**
"Leave the garage immediately. Switch off motor when stationary". Flashing at least 1 hour in case of alarm, with 1 m connection cable.
Mains supply: 90 V AC – 264 V AC, 2W; protection class IP30;
Dimension (WxHxD) = 700x205x25 mm
- g) **LED-CO warning banner with Piktogramm and stand-by voltage supply on acrylic clear glass – Yellow LED illumination in case of alarm, otherwise transparent.** Mains supply: 90 V AC – 264 V AC, 2W; protection class IP30; Dimension (WxHxD) = 700x205x25 mm

All versions conform to garage regulations.

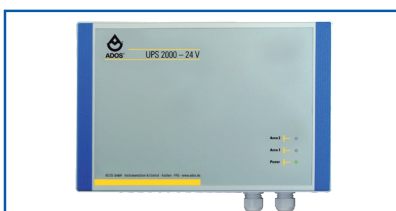


Mains Stand-by supply unit USV

The unit provides all supplies for the warning systems (banners, alarm horns), in the case of a normal type of failure in the mains supply. The unit contains a maintenance-free battery, an inverter, a charger unit and mains supply monitoring.

Technical data:

Variable power: 230V / 50Hz, 1kVA...3kVA
Variable capacity depending on customer requirements
Dimensions: 19" - Rack, (WxHxD): 440 x 88 x 405/650 mm

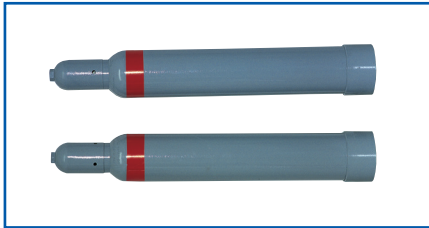


Stand-by power supply UPS 2000

For uninterrupted operation of the ADOS units:
LON[®]-Center 2000, MWS 903 and MWS 906.
Compact housing with NiMH batteries, with on/off switch.
Permanent discharge device and exhaustive discharge protection.

Technical data:

Voltage: 230 V/50 Hz or 115 V/60 Hz (optional)
Power consumption: 18 VA
Protection class: IP 54
Dimension (WxHxD): 240 x 160 x 90 mm
Weight: 2 kg



Test gas bottle

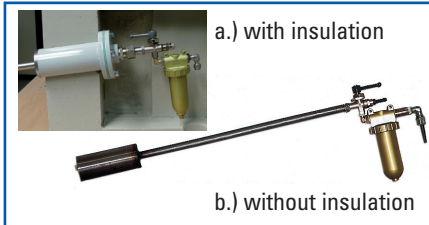
- zero-point-gas: synthetic air
 - N-Butane in synthetic air (calibration gas)
 - for non-aggressive gases
 - for hydrogen sulphide (in stainless steel)
- content: 10 l
filling pressure: min. 100 bar



Pressure reducer

Pressure reducer for connection to test gas bottles

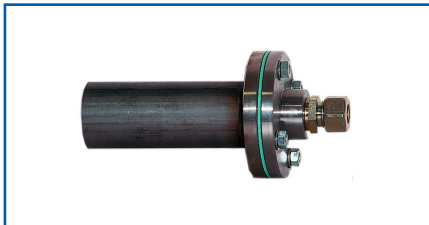
- Inlet pressure: max. 200 bar
Output pressure: 0,1 bar – 3 bar
Material: Brass



Sampled gas extraction

Carborundum filter with protective cap, gas sampling pipe with isolating valve and test gas valve

- Versions:
- V 4 A material (1.4571)
 - a) with insulation
 - b) without insulation



Mounting stub

Mounting stub with single flange for mounting the gas extraction pipe.

- Versions:
- material V4A (1.4571)
 - material St 37
 - with single flange DN 50 / PN 6, 150 mm long



Heated extraction pipe

- Technical Data:**
- Length: 1 m ... 100 m
 - Operation temperature: 65 °C ... 120 °C
 - Nominal width: 4 ... 8
 - Nominal voltage: 230 V=
 - Outer diameter: 42 mm
 - End caps: with pull relief and bend protection in PA 6 or silicone
 - Outer protection: polyamide 6 ring-spindle tube, flame retardant, halogen-free
 - Temperatures: -40 °C ... +150 °C, temporary >150 °C
 - Optional accessory: temperature controller



Room probes

Gas extraction system – housing of shock-proof plastic; Exchangeable filter material.

- Technical Data:**
- Dimension: Ø 80 x 32 mm; Ø 150 x 32 mm
 - Version: Lateral connection – with hose connector or cutting ring couplings