



ADOS
est. 1900

Instrumentation and Control



GAS WARNING SYSTEMS

Accessories



since 1997
DIN EN ISO 9001
ID: 0110071011

ADOS GmbH

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Alarm horn (small version)

Technical data:

Housing:	Shock-proof thermoplastic (ABS), light gray
Protection class:	IP 33 (DIN 40050 / IEC 529)
Sound level:	approx. 92 dB (A), 1 m
Dimension (WxHxD):	a) 70 x 170 x 78 mm; b) 70 x 256 x 78 mm
Weight:	approx. 0,2 kg
Mains supply:	230 V/50 Hz or 115 V/60 Hz, 12 V=, 24 V=
Power consumption:	2 W
Option:	with integrated warning light

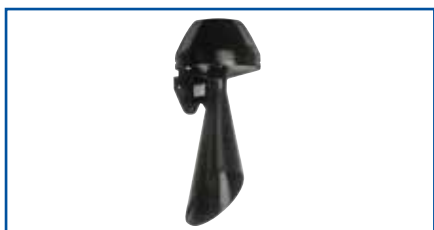


Alarm horn (large version)

Alarm signal for damp rooms and external installation

Technical data:

Housing:	Shock-proof thermoplastic (ABS), light gray
Protection class:	IP 55/IP 66 DIN 40050 or IEC 529
Sound level:	approx. 110 dB (A), 1 m
Dimension (WxHxD):	148 x 356 x 152 mm
Weight:	1,1 kg
Mains supply:	230 V/50 Hz or 115 V/60 Hz, 12 V=, 24 V=
Power consumption:	20 W



Alarm horn (ex version)

Alarm signal for explosion and firedamp endangered factories

Technical data:

Housing:	PC/ABS
Protection class:	IP 55 (DIN 40050/IEC 529)
Sound level:	approx. 110 dB (A), 1 m
Dimension (WxHxD):	148 x 356 x 152 mm
Weight:	approx. 1,25 kg
Mains supply:	230 V/50 Hz or 115 V/60 Hz, 12 V=, 24 V=
Power consumption:	approx. 22 W



Rotating mirror lamp

Motor-driven rotating lamp for optical warning of inadmissibly high levels of gas concentration.

Technical data:

Housing:	Plastic base, transparent yellow glass guard
Protection class:	IP 56; Optional mounting position
Mirror revs.:	160 r.p.m., continuous operation
Dimension:	Ø 152 mm x 216 mm
Mains supply:	230 V/50 Hz or 115 V/60 Hz, 12 V=, 24 V=
Power consumption:	40/45 W

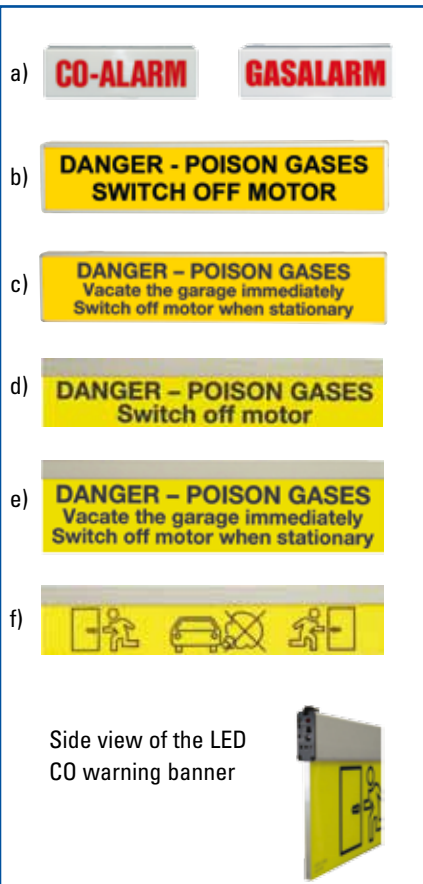


Warning flasher

Pulsating lamp (flashlight) for optical warning of inadmissibly high levels of gas concentration

Technical data:

Housing:	Plastic base, transparent yellow glass guard
Protection class:	IP 54; Optional mounting position
Dimension:	Ø 108 mm x 133 mm
Mains supply:	230 V/50 Hz or 115 V/60 Hz, 12 V=, 24 V=
Power consumption:	5 W



Side view of the LED CO warning banner

Warning banner

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

Technical data:

a) Version single (3x15 W); Mains supply = 230 V/50 Hz

Dimension (WxHxD): IP 30 = 230 x 75 x 76 mm

IP 54 = 368 x 148 x 112 mm

IP 65 = 310 x 155 x 100 mm

also as LED-version (24 V)

b) Version single (3 x 15 W)

or version with integrated emergency supply voltage

(comprising accumulator, charger unit with discharge protection and flasher relay);

Mains supply: 230 V/50 Hz;

Dimension (WxHxD): 1000 x 205 x 100 mm (2 lines)

c) The same like number b)

Dimension (WxHxD): 1300 x 260 x 100 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 4,8 V; 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, 2 W; 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, 2 W; protection class IP30;

Dimension (WxHxD) = 1000 x 205 x 25 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:

version A: 230 V/50 Hz, 500 VA: 440 x 550 x 85 mm (WxHxD)

version B: 230 V/50 Hz, 1000 VA: 440 x 265 x 405 mm (WxHxD)

version C: 230 V/50 Hz, 2000 VA: 440 x 440 x 650 mm (WxHxD)

version D: 230 V/50 Hz, 6000 VA: 440 x 440 x 680 mm (WxHxD)



Stand-by power supply UPS 2000

For uninterrupted operation of the ADOS units:

LON®-Center 2000, MWS 903, MWS 906 and GWA 2000.

Compact housing with NiMH batteries, with on/off switch.

Permanent discharge device and exhaustive discharge protection.

Technical data:

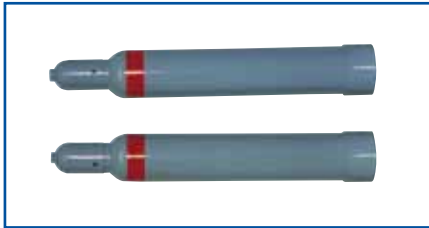
Voltage: 230 V/50 Hz or 115 V/60 Hz (optional)

Power consumption: 18 VA

Protection class: IP 54

Dimension (WxHxD): 240 x 160 x 90 mm

Weight: 2 kg



Test gas bottle

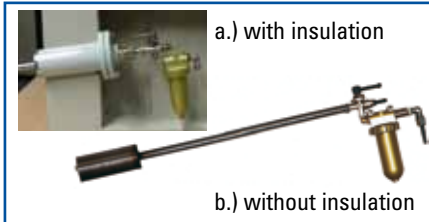
- zero-point-gas: synthetic air
 - N-Butane in synthetic air (calibration gas)
 - for non-aggressive gases
 - for hydrogen sulphide (in stainless steel)
- content: 10 l
filling pressure: min. 100 bar



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