

PolyGard® Portable Gas Measuring Device Series ADL-X1-34XX incl. Datalogger for Combustible Gases

DESCRIPTION

Portable gas measuring device with integrated datalogger for the continuous monitoring of the ambient air to detect the presence of combustible gases and vapours. Up to 16.000 measuring values are recorded in the datalogger.

APPLICATION

For the detection and recording of combustible gases and vapours in a wide range of commercial applications.



Standard housing

FEATURES

- Suitable for combustible gases and vapours
- Measuring cycle adjustable from 2 sec. to 5 hours
- Datalogger for 16.000 measuring values
- Data readout via the USB port
- Internal rechargeable battery: Lifetime according to sensor type
- Certified calibration

RoMiotto Instrumentos de Medição Ltda
Instrumentos de Medição

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SPECIFICATIONS

Electrical

Power supply	Rechargeable battery; 6 VDC
Power consumption	Ca. 30 mA

Gases

Internal sensor	Combustible gases (see Ordering Information)
Sensor data	See corresponding datasheet of ADT transmitter

Output signal

Measuring signal sensor	0 – 5 VDC proportional
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Data output	USB port
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Visualisation

Display (optional without display)	LCD display
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Battery data (standard type)

Tension	6 VDC
Capacity	2,8 Ah
Supply duration	ca. 90 h with fully charged battery
Deep discharge voltage	5,5 V
Type	Lead battery

Ambient conditions

Humidity	15 – 95 % RH non-condensing
Working temperature	-10 °C to + 50 °C (14 °F to 122 °F)
Storage temperature	5 °C to 30 °C (86 °F to 122 °F)
Pressure range	Atmospheric ± 10 %

Physical characteristics

Enclosure plastic version type E	Polycarbonate
Flammability	UL 94 V2
Enclosure colour	RAL 7032 (light grey)
Dimensions (W x H x D)	97 x 130 x 81 mm (3.82 x 5.12 x 3.19 inch.)
Weight	Approx. 0.95 kg (2 lbs.)

Guidelines	EMC Directive 2004/108//EEC
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Warranty	One year on material (without sensor)
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Optional accessories

Charging device ADL-X1-Charger

Supply voltage	230 VACV/ 50 Hz
Output voltage	2, 6, 12, 24 VDC (Autom. adaptation to battery)
Charging characteristics	IU
Trickle charge	Approx. 20 mA
Capacity range	2.4 – 24 Ah
Charge current	700 mA at 6 V

High power battery ADL-X1-Accu	On request
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Software and USB adapter ADL-X1-Soft

Software	MINISOFT
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GAS ALARM SYSTEMS

ORDERING INFORMATION

ADL-X1-3XXX-X-XXXX

Version

LXXX	Factory calibration 0 – 50% LEL ¹
MXXX	Factory calibration 0 - 100% LEL ²
RXXX	Factory calibration 5 - 50 ppm ³
X2XX	Recharg. battery for semi-conductor sensor/ pellistor
X3XX	Recharg. battery for IR sensor
XX2X	Fastening eye
XXX1	With display
XXX2	Without display

Enclosure

E	Plastic (standard)
H	Plastic (for infrared sensors)

Gas types

² 21-3400	Methane	CH ₄	0 - 100% LEL
² 21-3408	Ammonia	NH ₃	0 - 100% LEL
² 21-3410	Ethylene	C ₂ H ₄	0 - 100% LEL
² 21-3425	Ethyl alcohol	C ₂ H ₆ O	0 - 100% LEL
² 21-3427	Ethyl acetate	C ₄ H ₈ O ₂	0 - 100% LEL
² 21-3430	Benzene	C ₆ H ₆	0 - 100% LEL
² 21-3435	n-Hexane	C ₆ H ₁₄	0 - 100% LEL
² 21-3440	Hydrogen	H ₂	0 - 100% LEL
² 21-3445	Iso propanol alcohol	C ₃ H ₈ O	0 - 100% LEL
² 21-3450	Methanol	CH ₄ O	0 - 100% LEL
² 21-3458	Methyl ethyl ketone	C ₄ H ₈ O	0 - 100% LEL
² 21-3460	n-Butane	C ₄ H ₁₀	0 - 100% LEL
² 21-3470	n-Octane	C ₈ H ₁₈	0 - 100% LEL
² 21-3475	n-Pentane	C ₅ H ₁₂	0 - 100% LEL
² 21-3480	Propane (LPG)	C ₃ H ₈	0 - 100% LEL
² 21-3485	Acetone	C ₃ H ₆ O	0 - 100% LEL
² 21-3490	Toluene	C ₇ H ₈	0 - 100% LEL
² 21-3491	n-Heptane	C ₇ H ₁₆	0 - 100% LEL
² 21-3498	JP8		0 - 100% LEL
³ E1-3482	Nitrogen trifluoride (semi.)	NF ₃	5 - 50 ppm
² D1-3400	Methane (infrared)	CH ₄	0 - 100% LEL
² D1-3480	Propane (infrared)	C ₃ H ₈	0 - 100% LEL
¹ 41-3H55	Methane (semi-conductor)	CH ₄	0 - 50% LEL
² 41-3H60	n-Butane (semi-conductor)	C ₄ H ₁₀	0 - 100% LEL
² 41-3H80	Propane (semi-conductor)	C ₃ H ₈	0 - 100% LEL

Example: Datalogger ADL for methane CH₄, pellistor sensor, 0 - 100% LEL, with display

Order No.: ADL-21-3400-E-M201

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