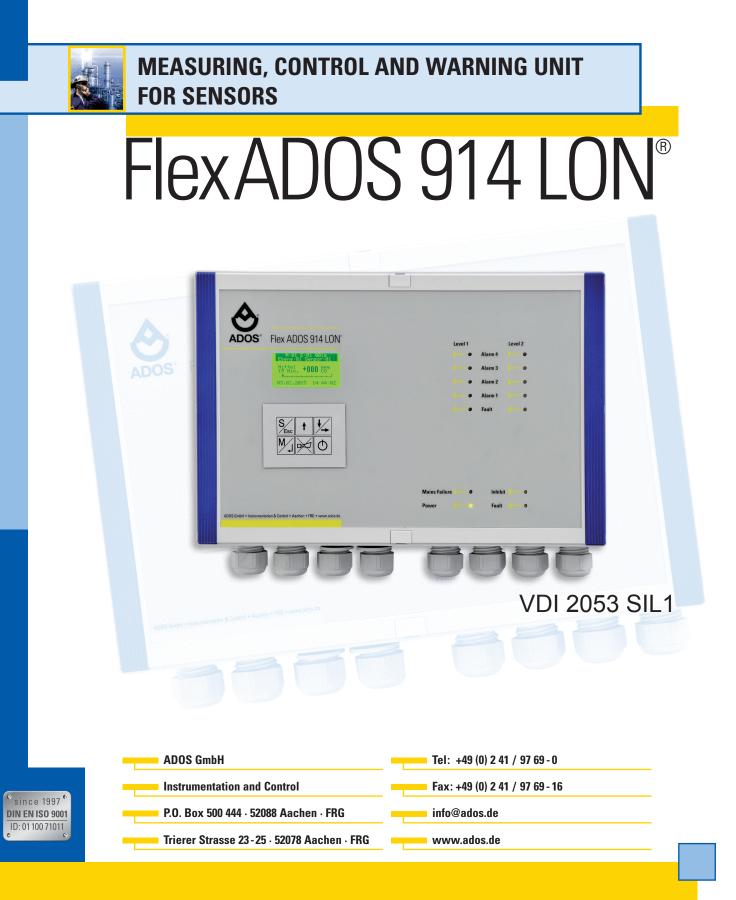


Instrumentation and Control





MEASURING, CONTROL AND WARNING UNIT FOR SENSORS

Flex ADOS 914 LON®



Suitability

The FlexADOS 914 LON® is a measuring, control and warning unit for gas sensors. It continuously monitors the ambient air and provides an early warning of harmful, explosive and non-flammable gases and vapours. Together with the TOX 914 LON® gas transmitters, FlexADOS 914 LON® fulfils VDI guideline 2053 from December 2014 and also EN 50271.

Refineries

plants

Measurement of oxygen

Gas-powered boilers

Wastewater treatment

concentration

and much more

Areas of application

- Garages and tunnels
- Chemicals industry
- Paint and varnish manufacturing
- Liquid gas storage facilities
- Laboratories
- Refrigerated warehouses (ammonia monitoring)

Features

- Up to 60 digital LON[®]bus sensors are evaluated (TOX 914 LON®, LCTR 404 LON®)
- Graphic LCD display to show actual values, mean values and faults in plain text
- Indicator for operation, malfunction, maintenance, power failure
- Simple menu-guided setting of the device parameters using 6-part keyboard
- Five alarm thresholds per sensor, independently adjustable from 10 to 90% of the measuring range
- Averaging from 1 to 60 minutes possible, 2 levels (fan areas) can be displayed
- Maximum of 14 potential-free changeover contacts to control further warning and control facilities
- Potential-free changeover contact for malfunction, maintenance and power failure
- As an option: Building control system connection for data transfer (measuring value and state)
- Plastic wall housing (IP 54)
- High operating reliability
- Low power consumption
- Simple assembly
- Uninterrupted electricity supply possible

Universal fieldbus

Optional data interfaces for building management systems (BMS) compatible with:

- LONWorks ModBus TCP
- Modbus BTU ProfiNet
- Profibus

Measuring ranges

Gas types can be adjusted as desired, Examples:

CO carbon monoxide NO₂ nitrogen dioxide NO nitrogen monoxide CH₄ methane %LEL

physical unit adjustable as desired, Examples:

ppm VOL%

Accessories

Horn, warning light, blinker lamp, recorder, emergency power unit UPS 2000-24V, gas cooler, gas inlet, and much more. Additional accessories are offered on request depending on the measuring task.

Technical data

Sensors digital LON®	60 sensors in a four-wire system
Power supply	100-240V 50/60Hz, optional 24VDC
max. power consumption	60VA
Operating conditions	-25°C+45°C 80kPa120kPa 0%95% rel. humidity non-condensing
Protection class due to housing (DIN EN 60529)	IP 54
Dimensions (WxHxD)	300 x 230 x 120 mm
Displays	Graphic LCD display 128x64px Background red/green/yellow LED power, malfunction, power failure, maintenance
digital inputs	3
analogue outputs	2 x power output 420mA max. burden 400 ohm
digital outputs	2 alarm levels with max 17 relays per 1 relay Malfunction, power failure, maintenance 14 alarm relays Potential-free change-over contacts Switching capacity max 250V/8A Expansion possibility up to a total of 6 alarm levels
other interfaces	USB Universal fieldbus (option)
Weight	2.7 kg
Service life Buffer battery clock Service life parameter memory	> 10 years > 20 years
Storage conditions	max. 1 year -25°C+45°C 80kPa120kPa 0%95% rel. humidity non-condensing
certified according to	VDI2053 EN50545 EN50271 EN50270

ADOS GmbH Instrumentation and Control