

Gas measurement technology

SIGI EX - Simple Gas Indicator

Explosion-proof gas measurement instrument for flammable gases with up to 3 measurement ranges and internal pump, optional pressure sensor for measurements up to 200 mbar



- Extremely rugged gas measurement device in ergonomic aluminum housing
- Internal pump and filter technology
- High contrast LCD graphic display with backlight for optimal display of all measured values
- Automatic start in last used operating mode
- Display of useful extra information, peak value and leak rate
- Simple replacement of primary and secondary cells through innovative battery management
- Systematic evaluation of the measured data using Esders PC-1 Software
- Simple and easy operation with intuitive menu navigation
- Practical accessories for all applications



Technical data	
Display	illuminated LCD Graphics display with 128 x 64 Pixel + special sign
Power supply	rechargeable EX NiMH-battery 4.8 Volt
Operating time	workplace monitoring > 10 hours (without illumination)
Measurement range	0-10,000 ppm methane, resolution 1, 10, 50, 100 ppm 0 to 50 % LEL methane, resolution 0.5% LEL 0 to 100 Vol.% methane, resolution 0.1 Vol.% optional: Pressure 0 to 200 hPa, resolution 0.1 mbar optional: Propane calibration
Alarm	acoustic and optical alarm signal
Operating temperature	- 20°C to + 50°C
Dimensions	190 x 58 x 34 mm
Weight	approx. 475 g battery included
Protection	BVS 05 ATEX E 010 X Ex ib d IIB T3 Gb

SIGI EX Gasmeasurement- and gaswarning instrument

The **SIGI EX** is a multi range measurement device for flammable gases with an internal pump. Like many other Esders instruments the well known operating concept with a menu technology driven by two function keys is also used for the **SIGI EX**.

The following operating modes are used in the menu:



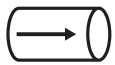
- Workplace monitoring (measurement of LEL; 0-50% LEL)



- Tracing gas in pipeline networks (measurement of gas concentration from ppm to 100 Vol.% with auto ranging)



- Leak detection in houses (measurement of gas concentration on gas installations and alarm on LEL; ppm to 50% LEL)



- Pipe filling, gaspurity (measurement range from 0 to 100 Vol.%)

The display shows useful informations like the peak value or leak rate.

Furthermore it is possible to make pressure measurements (optional) and leak detection together with the **SIGI EX P**. One problem on an installation is a low gas pressure or a failure of the gas regulator. That is why the **SIGI EX** is together with the functions of monitoring the explosion limits and leak detection a powerful testing device for pressure tests of in-house gas installations.

The construction of the device head with a built in pump guarantees an extremely short indication time of flammable gas concentrations. The hydrophobic filter is easy to exchange and provides a protection of the device from water and dust. As an extra options a flexible probe with quick connector, a test adapter and chargers for 12 volt and 230 volt are available.



Technical modifications reserved!

