

Advantages & functions

Sensor data							
	SF ₆ gas 3-026-R205	CO ₂ gas 3-026-R225	O ₂ gas 3-026-R210	SO ₂ gas 3-026-R230	C4-FN 3-026-R215	C5-FK 3-026-R220	CO 3-026-R235
Measuring principle	NDIR (dual beam)	NDIR (dual beam)	Electro-chemical reaction	Electro-chemical reaction	NDIR (dual beam)	NDIR (dual beam)	Electro-chemical reaction
Measuring range	0 – 1500 ppm	0 – 5000 ppm	0 – 25 Mol-%	0 – 20 ppm	0 – 1000 ppm	0 – 1000 ppm	0 - 500 ppm CO
Measuring accuracy	≤ ±30 ppm	≤ ± 2 % of the upper range value	≤ ± 2 % of the upper range value	≤ ± 2 % of the upper range value	≤ ± 2 % of the upper range value	≤ ± 2 % of the upper range value	≤ ± 2 % of the upper range value
Lifetime	> 10 years	> 10 years	3 years	2 years	> 10 years	> 10 years	3 years
Operating temperature	-10 to +40 °C	-20 to +45 °C	0 to 50 °C	-20 to +45 °C	0 to +50 °C	0 to +50 °C	-40 to +50 °C
Power consumption	4.3 W	4.3 W	3.2 W	3.2 W	6.8 W	6.8 W	3.2 W

*) 50 - 100 ppm: ±5 % (of 100 ppm) \triangleq ±5 ppm; 100 - 1000 ppm: ±2 % (of 1000 ppm) \triangleq ±20 ppm

- operation either as a stand-alone unit or in networks connected to a GasSafety Monitor
- different acoustic signals to be set on the unit; visual display of errors, warnings and alarms
- potential-free relays for errors, warnings and alarms
- high long-term stability
- Sensors are connected via an RJ45 cable (Ethernet and Power over Ethernet (PoE))
- no maintenance and no consumables required
- analogue output (4...20 mA)
- message on the expiry of the recommended calibration interval
- power is supplied separately (24 V DC) or alternatively in the network via Power over Ethernet (PoE)

Technical data

Dimensions (W x H x D)	170 x 275 x 88 mm
Weight	0.25 kg approx.
Indication	16x2-LCD display with RGB background
Ambient moisture	max. 95 % relative moisture, non condensing
Operating voltage	24 V DC, or PoE (802.3af-2003)
Power	0.8 A max.
Protection class	IP 41
Sound level	75 dB integrated alarm
Measuring principle	NDIR (double beam)
Measuring range	0 - 1500 ppm
Measuring accuracy	≤ ± 30 %
Lifetime	> 10 years
Operating temperature	-10 to +40 °C
Power consumption	4.3 W

Note

Note:

All types of Sensors can be operated together in networks with one Monitor (III. 2) or autonomously as a single unit (III. 3). Each Sensor has a 4 ... 20 mA output and 3 relays for connecting warning systems. This output can always be used irrespective of the arrangement. In networks, up to three Sensors can be connected directly to one Monitor without separate power supply. When connecting more than three Sensors, a PoE switch is required for each additional three Sensors. An Ethernet cable is needed for each Sensor connected to the network. A maximum of 32 Sensors can be connected to one Monitor.