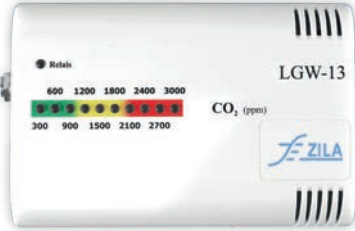







Overview gas measurement technology

	LGW-13	ZMF-100-IR	CSC-20
View			
Gas	Carbon dioxide	Carbon dioxide	Carbon dioxide
Description	Multifunctional CO2 sensor with LED display, switching outputs and integrated warning horn. Ideal for evaluation and monitoring of CO2-endangered areas.	Robust CO2 sensor in an aluminium housing with excellent long-term stability for measuring the CO2 concentration in the industrial environment.	The CSC-20 has an integrated CO2 sensor and can control fans for supply air and exhaust air depending on the measured CO2 concentration.
Operating voltage	24V DC 230V AC with power supply	24V DC	230V AC
Operating temperature	-10...+50 °C	-10...+50 °C	0...50 °C
measuring range	ppm: 3.000 / 5.000 / 10.000 / 20.000 / 30.000 / 50.000	ppm: 3.000 / 5.000 / 6.000 / 10.000 / 20.000 / 30.000 / 50.000	ppm: 0...10.000
Signal Output	0...10 V and 4...20 mA	0...10 V or 4...20 mA	I ² C
Housing	IP20 plastic	IP54 Alu	ASA+PC (UL94 V-0), flame retardant
Special features	<ul style="list-style-type: none"> ✓ Bar graph display ✓ Potential-free switching output 24V 2A ✓ Audible warning signal 	<ul style="list-style-type: none"> ✓ Compact ✓ Robust ✓ Suitable for industrial use 	<ul style="list-style-type: none"> ✓ automatic, controlled ventilation ✓ Display to show the measured values ✓ suitable for building ventilation

Overview gas measurement technology

	ZMF-200e-IR	Methane-Sensor	Propane-Sensor
View			
Gas	Carbon dioxide	Methane	Propane
Description	High-quality CO2 sensor with wide measuring range for use in harsh environments down to -40 °C. Certified according to safety requirement level SIL-2 and optionally also with ATEX certification available.	High-quality Methane sensor with wide measuring range for use in harsh environments down to -40 °C. Certified according to safety requirement level SIL-2 and optionally also with ATEX certification available.	High-quality Propane sensor with wide measuring range for use in harsh environments down to -40 °C. Certified according to safety requirement level SIL-2 and optionally also with ATEX certification available.
Operating voltage	12...24 V DC	12...24 V DC	12...24 V DC
Operating temperature	-40°C...+60°C	-40°C...+60°C	-40°C...+60°C
measuring range	ppm: 5.000 % vol.: 1 / 2 / 5 / 20 / 100	% vol.: 4,4 / 5 / 100	% vol.: 1,7 / 2,1
Signal Output	4..20mA	4..20mA	4..20mA
Housing	Stainless steel	Stainless steel	Stainless steel
Special features	<ul style="list-style-type: none"> ✓ optical NDIR measuring principle ✓ SIL2 certification ✓ ATEX on request 	<ul style="list-style-type: none"> ✓ optical NDIR measuring principle ✓ SIL2 certification ✓ ATEX on request 	<ul style="list-style-type: none"> ✓ optical NDIR measuring principle ✓ SIL2 certification ✓ ATEX on request