PG11 CH4 Gas Detector (0-100 %LEL)

Product reference	
Part No.	5101555-00
Manufacturer	Consilium / Salwico
Model	PG11



Product overview

PG11 infrared point gas detector configured for CH4, 0-100 %LEL.

Technical specifications

Manufacturer Article Number	5101555-00	Operating / storage	Operating −40 to +75 °C; storage −60 to +75 °C.
Configured gas / range	CH4; 0-100 %LEL	Environment	70–130 kPa; 0–100% RH; IP66/IP67. Included shield protects against splash and dirt.
Printed order description	PG11 Point CH4, WH, 0-100%LEL	Housing / cover	316L stainless housing; composite back cover standard, steel optional; black/silver.
Compatible systems	CGD50/500; CGS50/500.	Weight / dimensions	3 kg ±5%; L×W×H: 238×120×102 mm.
Detection	Solid-state infrared, temperature compensated.	Printed expected lifetime	15 years, as printed in the source datasheet.
Accuracy	±3% of full scale over the whole operating temperature range.	Printed standards / safety scope	ATEX / IECEx markings; Presafe 20 ATEX 67361X / IECEx PRE 20.0061X. Current certificate validity unknown.
Response T90	2 s with the included environment shield; 1 s without shield.	Printed Ex markings	ATEX: II 2 G Ex db eb ib IIC T5 Gb / Ex db ib IIC T5 Gb. IECEx: Ex db eb ib IIC T5 Gb / Ex db ib IIC T5 Gb.
Pressure correction	Atmospheric-pressure calibration; reading changes 1% per kPa deviation from atmospheric pressure.	Printed Ex ambient scope	−55≤Tamb≤+75 °C in the IECEx marking. Normal operating limit remains −40 to +75 °C.
Operating supply	18–50 V DC; average power <3 W.	Accessories	5101518-00 bump-test housing; 5101594-00 Gas Free test kit; 5101580-00 flow house; 5101587-00 cleaning kit; 5101585-00 mosquito net.
Startup current	Soft boot-up keeps rush current below 1 A.	Green indication	Steady: normal. Blinking: cleaning/maintenance request OR outside-temperature-rating indication.
Cable / terminals	3 wires, 0.5–2.5 mm²; terminals maximum 2.5 mm².	Yellow indication	Steady: service/function check. Blinking: fault or booting; no measurement.
Standard cable gland	Polyamide M20 Ex e; printed gland inner diameter 5.5–13 mm.	Red / alarm indication	Steady Alarm 1: default 20% full scale; blinking Alarm 2: default 50% full scale. Both non-latching.
Optional cable entries	M25, 1/2 inch NPT or 3/4 inch NPT on request.	Mounting / clearance	Horizontal only; at least 6 cm around and 9 cm in front of the sensor head for test equipment.
Measurement signal	4–20 mA; terminal 3 green is 0–20 mA analogue safety signal with HART overlay.	Hazardous-area installation	Follow PG11/PGE11 Operating Manual 022-80036-OM for hazardous-area installation.
Digital communication	RS-485 Modbus RTU: terminal 4 yellow A, terminal 5 grey B.	Original installation drawings	Four-page original retains terminal/hole-pattern drawings and external-earth point. Refer to installation manual for details.
Power / earth terminals	1 white: printed +24 V DC supply; 2 brown: 0 V return. Yellow/green: internal earth.		