

11 Product coding

GD10-P00-A-B-00

A: Gas calibration (a selection of most used variants)	
03DG	Ethylene, C ₂ H ₄ , 100% LEL-1
09DG	Propane, C ₃ H ₈ , 100% LEL-1, 2.2%Vol
09EG	Propane, C ₃ H ₈ , 100% LEL-2, 1.7%Vol
17BH	Methane, CH₄, 3%Vol
17DG	Methane, CH ₄ , 100% LEL-1, 5.0%Vol
17EG	Methane, CH ₄ , 100% LEL-2, 4.4%Vol
18BG	Methane (Biogas), CH ₄ /CO ₂ , 100%Vol
23AN	Carbon dioxide, CO ₂ , 10000 ppm
23BH	Carbon dioxide, CO ₂ , 3%Vol
24BC	Carbon dioxide (Methane immune), CO ₂ , 5%Vol
24BG	Carbon dioxide (Methane immune), CO ₂ , 100%Vol
B: Configuration	
0**	Fixed default value
Approval	
0	None
B	CSA
C	UL – Not used anymore
X	ATEX/IECEX/INMETRO
Interface	
**H	4-20mA, source/HART®
**J	4-20mA, sink/HART®
Optional, future use	
00	Fixed default value

Example_:

GD10-P00-17DG-0XH-00:

GD10P, Methane, 0-100 %LEL CH₄ (5.0% vol.), ATEX/IECEX/INMETRO, 4-20mA source/HART®

GD10-P00 and GD10-PE0

INFRARED POINT GAS DETECTOR
OPERATING MANUAL

GD10-PE0-A-B-00 (Code for detector only. See section 12 for accessories)

A: Gas calibration (a selection of most used variants)	
03AM	Ethylene, C ₂ H ₄ , 5000 ppm
17DE	Methane, CH ₄ , 20% LEL-1
B: Configuration	
0**	Fixed default value
Approval	
0	None
B	CSA
X	ATEX/IECEX/INMETRO
Interface	
**H	4-20mA, source/HART®
**J	4-20mA, sink/HART®
Optional, future use	
00	Fixed default value

Example:

GD10-PE0-17DE-0XH-00:

GD10PE, Methane, CH₄, 20 %LEL-1, ATEX/IEC Ex/INMETRO, 4-20mA, source/HART®

11.1 GD10P Gas and range code

For the most part of gases, we are using the data from INRS 2015.

F1	Product Name	Formula	%vol equivalent to 100% LEL
02DG	Acetylene	C ₂ H ₂	2.5
03DG	Ethylene	C ₂ H ₄	2.7
05DG	Ethanol	C ₂ H ₅ OH	3.3
05EG	Ethanol	C ₂ H ₅ OH	3.1
07DG	Propene	C ₃ H ₆	2.0
08DG	Acetone	C ₃ H ₆ O	2.6
09DG	Propane	C ₃ H ₈	2.2
09EG	Propane	C ₃ H ₈	1.7
11DG	Pentane	C ₅ H ₁₂	1.4
12DG	n-Hexane	C ₆ H ₁₄	1.1
13DG	Benzene	C ₆ H ₆	1.2
14DG	Toluene	C ₇ H ₈	1.2
15DG	Styrene	C ₈ H ₈	1.1
17DG	Methane	CH ₄	5.0
17EG	Methane	CH ₄	4.4
19DG	Methanol	CH ₃ OH	6.7
38DG	n-Butane	C ₄ H ₁₀	1.7
50DG	White Spirit D40		1.0
56DG	Ethane	C ₂ H ₆	2.4
73DG	Cyclohexane	C ₆ H ₁₂	1.3
79DG	Ethylene (low interference C ₂ H ₆)	C ₂ H ₄	2.7
86EG	Ethylene	C ₂ H ₄	2.4

GD10-P00 and GD10-PE0

INFRARED POINT GAS DETECTOR
OPERATING MANUAL

Accessories and spare parts

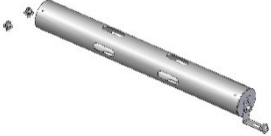
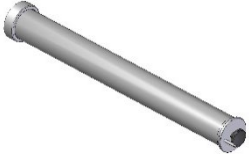
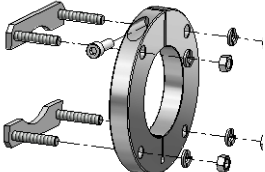
12.1 GD10P Accessories

Accessories	Description	Part Number
	GD10P Sample Flow Housing: Airtight chamber for sampling systems. Also used for calibration test.	499-810874 ❶
	GD10P Gas Test Socket: Non airtight chamber used for calibration test.	599-818154 ❷
	Duct Flange Tube Kit GD10P	499-811938 ❶
	Mosquito Set Assy GD10P: Insect protection in stainless steel mesh. Slides on the outside of the standard weather protection.	499-813397 ❷
	Sun shade Assy GD10P for horizontal mounting: protects from direct sunlight or snow fall.	499-815712 ❶
	Sun shade GD10P for pipe mounting (horizontal or vertical pipe): protects from direct sunlight or snow fall. To be used with pipe mounting plate P/N 499-816867.	599-816841 ❶
	GD10P Pipe mounting plate. U-bolts are included.	499-816867 ❶




❶ Sensitivity and response time are of the detector are not modified.

❷ Sensitivity of the detector is not modified. Response time can increase.

12.2 GD10PE Accessories

Accessories	Description	Part Number
	GD10PE Weather Protection/Stand Alone Kit	499-815430 ②
	GD10PE Sample Flow Housing	499-815733 ①
	GD10PE Duct Mounting Flange	499-815271 ①

12.3 Spares

Spare Parts	Description	Part Number
	Weather Protection Kit GD10P	499-810913 ②③
	Cap, cover for the gas test nozzle GD10P and GD10PE.	599-904176 ①
	Rear cover kit, composite	499-816584 ①

- ① Sensitivity and response time are of the detector are not modified.
- ② Sensitivity of the detector is not modified. Response time can increase.
- ③ This accessory is included in the EN60079-29-1 performance certificate.