

GAS SENSE

GAS DETECTION
SYSTEMS

GAPC - ATEX CERTIFIED GAS DETECTORS - ZONE 1

GAS SENSE

- ATEX certified; High temperature version for up to 140°C available;
- OLED graphic display; LED indication for alarm events; Non intrusive, one-man calibration;
- Different gas measuring technologies available - Catalytic, Semiconductor, Electrochemical, Infrared, MPS.

TECHNICAL SPECIFICATIONS

Working voltage	15 – 30 VDC
Power consumption	3W
Output signal	4-20mA, Galvanically isolated RS485, Relay outputs
Working temperature	-40 - +70°C/ (140°C option available);
Humidity range	10 – 90%R.H.
Dimensions	200 x 132 x 68 mm
Weight	1,500kg
Enclosure material	Aluminum enclosure, Stainless steel A316 gas sensor housing
Ingress protection	IP66/IP67
Cable connection	Cable gland(s) ½ NPT
ATEX certification	Ⓔ II 2G Ex db IIC T4 Gb Ⓔ II 2D Ex tb IIIC T135°C Db

GAPC



GAS DETECTORS FOR COMBUSTIBLE GASES

DETECTED GAS	MEASURING RANGE
METHANE	0-100%LEL
PROPANE	0-100%LEL
N-BUTANE	0-100%LEL
N-PENTANE	0-100%LEL
N-HEXANE	0-100%LEL
N-HEPTANE	0-100%LEL
N-OCTANE	0-100%LEL
METHANOL	0-100%LEL
ETHANOL	0-100%LEL
ISO-PROPANOL	0-100%LEL
ACETONE	0-100%LEL
MEK	0-100%LEL
TOLUENE	0-100%LEL
ETHYL ACETATE	0-100%LEL
HYDROGEN	0-100%LEL
AMMONIA (LEL)	0-100%LEL
KEROSENE	0-100%LEL
ETHYLENE	0-100%LEL

GAS DETECTORS FOR TOXIC & REFRIGERANT GASES

DETECTED GAS	MEASURING RANGE
CARBON MONOXIDE	0-500ppm
NITROGEN DIOXIDE	0-30ppm
HYDROGEN SULPHIDE	0-100ppm
AMMONIA	0-100ppm
AMMONIA	0-2000ppm
CHLORINE	0-10ppm
OXYGEN	0-25%Vol
CARBON DIOXIDE	0-15000ppm
HCFC Refrigerants (R22)	0-2000ppm
HFC (R404a, R407c, R410a, R507)	0-2000ppm
R-134a	0-2000ppm
R-290	0-2000ppm
R-600	0-2000ppm

GDPC - ATEX CERTIFIED GAS DETECTORS - ZONE 1

GAS SENSE

- ATEX certified; High temperature version for up to 140°C available;
- LED indication for alarm events; Non intrusive, one-man calibration;
- Different gas measuring technologies available - Catalytic, Semiconductor, Electrochemical, Infrared, MPS.

TECHNICAL SPECIFICATIONS

Working voltage	15 – 30 VDC
Power consumption	3W
Output signal	4-20mA, Galvanically isolated RS485, Relay outputs
Working temperature	-40 - +70°C/ (140°C option available);
Humidity range	10 – 90%R.H.
Dimensions	200 x 132 x 68 mm
Weight	1,500kg
Enclosure material	Aluminum enclosure, Stainless steel A316 gas sensor housing
Ingress protection	IP66/IP67
Cable connection	Cable gland(s) ½ NPT
ATEX certification	Ⓔ II 2G Ex db IIC T4 Gb Ⓔ II 2D Ex tb IIIC T135°C Db

GDPC



GAS DETECTORS FOR COMBUSTIBLE GASES

DETECTED GAS	MEASURING RANGE
METHANE	0-100%LEL
PROPANE	0-100%LEL
N-BUTANE	0-100%LEL
N-PENTANE	0-100%LEL
N-HEXANE	0-100%LEL
N-HEPTANE	0-100%LEL
N-OCTANE	0-100%LEL
METHANOL	0-100%LEL
ETHANOL	0-100%LEL
ISO-PROPANOL	0-100%LEL
ACETONE	0-100%LEL
MEK	0-100%LEL
TOLUENE	0-100%LEL
ETHYL ACETATE	0-100%LEL
HYDROGEN	0-100%LEL
AMMONIA (LEL)	0-100%LEL
KEROSENE	0-100%LEL
ETHYLENE	0-100%LEL

GAS DETECTORS FOR TOXIC & REFRIGERANT GASES

DETECTED GAS	MEASURING RANGE
CARBON MONOXIDE	0-500ppm
NITROGEN DIOXIDE	0-30ppm
HYDROGEN SULPHIDE	0-100ppm
AMMONIA	0-100ppm
AMMONIA	0-2000ppm
CHLORINE	0-10ppm
OXYGEN	0-25%Vol
CARBON DIOXIDE	0-15000ppm
HCFC Refrigerants (R22)	0-2000ppm
HFC (R404a, R407c, R410a, R507)	0-2000ppm
R-134a	0-2000ppm
R-290	0-2000ppm
R-600	0-2000ppm

GRRC - ATEX CERTIFIED GAS DETECTORS - ZONE 1

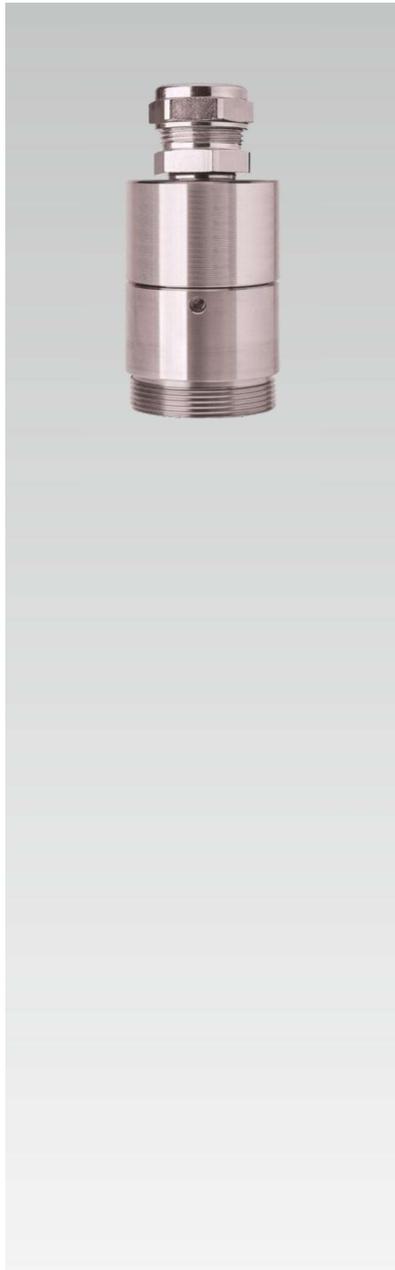
GAS SENSE

- Compact size; ATEX certified;
- Non intrusive, one-man calibration;
- Different gas measuring technologies available - Catalytic, Semiconductor, Electrochemical, Infrared, MPS.

TECHNICAL SPECIFICATIONS

Working voltage	15 – 30 VDC
Power consumption	3W
Output signal	4-20mA or Galvanically isolated RS485 output
Working temperature	-40 - +70°C
Humidity range	10 – 90%R.H.
Dimensions	45(dia) x 65(L) mm
Weight	0,400kg
Enclosure material	Stainless steel A316
Ingress protection	IP66/IP67
Cable connection	Cable gland ½ NPT
ATEX certification	Ⓔ II 2G Ex db IIC T4 Gb Ⓔ II 2D Ex tb IIIC T135°C Db

GRRC



GAS DETECTORS FOR COMBUSTIBLE GASES

DETECTED GAS	MEASURING RANGE
METHANE	0-100%LEL
PROPANE	0-100%LEL
N-BUTANE	0-100%LEL
N-PENTANE	0-100%LEL
N-HEXANE	0-100%LEL
N-HEPTANE	0-100%LEL
N-OCTANE	0-100%LEL
METHANOL	0-100%LEL
ETHANOL	0-100%LEL
ISO-PROPANOL	0-100%LEL
ACETONE	0-100%LEL
MEK	0-100%LEL
TOLUENE	0-100%LEL
ETHYL ACETATE	0-100%LEL
HYDROGEN	0-100%LEL
AMMONIA (LEL)	0-100%LEL
KEROSENE	0-100%LEL
ETHYLENE	0-100%LEL

GAS DETECTORS FOR TOXIC & REFRIGERANT GASES

DETECTED GAS	MEASURING RANGE
CARBON MONOXIDE	0-500ppm
NITROGEN DIOXIDE	0-30ppm
HYDROGEN SULPHIDE	0-100ppm
AMMONIA	0-100ppm
AMMONIA	0-2000ppm
CHLORINE	0-10ppm
OXYGEN	0-25%Vol
CARBON DIOXIDE	0-15000ppm
HCFC Refrigerants (R22)	0-2000ppm
HFC (R404a, R407c, R410a, R507)	0-2000ppm
R-134a	0-2000ppm
R-290	0-2000ppm
R-600	0-2000ppm

GDHP - ATEX CERTIFIED GAS DETECTORS - ZONE 2

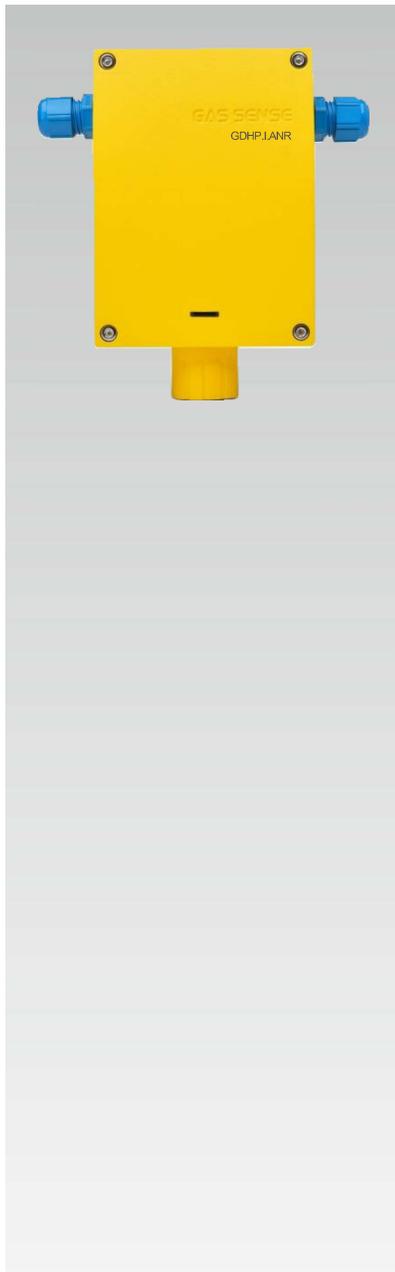
GAS SENSE

- ATEX certified;
- LED indication for alarm events; Non intrusive, one-man calibration;
- Different gas measuring technologies available - Catalytic, Semiconductor, Electrochemical, Infrared, MPS.

TECHNICAL SPECIFICATIONS

Working voltage	15 – 30 VDC
Power consumption	3W
Output signal	4-20mA, Galvanically isolated RS485, Relay outputs
Working temperature	-40 - +60°C
Humidity range	10 – 90%R.H.
Dimensions	155 x 145 x 46 mm
Weight	0,400kg
Enclosure material	Aluminum
Ingress protection	IP65
Cable connection	Cable glands M15/M20
ATEX certification	Ex II 3G Ex ec ic IIC T4 Gc

GDHP



GAS DETECTORS FOR COMBUSTIBLE GASES

DETECTED GAS	MEASURING RANGE
METHANE	0-100%LEL
PROPANE	0-100%LEL
N-BUTANE	0-100%LEL
N-PENTANE	0-100%LEL
N-HEXANE	0-100%LEL
N-HEPTANE	0-100%LEL
N-OCTANE	0-100%LEL
METHANOL	0-100%LEL
ETHANOL	0-100%LEL
ISO-PROPANOL	0-100%LEL
ACETONE	0-100%LEL
MEK	0-100%LEL
TOLUENE	0-100%LEL
ETHYL ACETATE	0-100%LEL
HYDROGEN	0-100%LEL
AMMONIA (LEL)	0-100%LEL
KEROSENE	0-100%LEL
ETHYLENE	0-100%LEL

GAS DETECTORS FOR TOXIC & REFRIGERANT GASES

DETECTED GAS	MEASURING RANGE
CARBON MONOXIDE	0-500ppm
NITROGEN DIOXIDE	0-30ppm
HYDROGEN SULPHIDE	0-100ppm
AMMONIA	0-100ppm
AMMONIA	0-2000ppm
CHLORINE	0-10ppm
OXYGEN	0-25%Vol
CARBON DIOXIDE	0-15000ppm
HCFC Refrigerants (R22)	0-2000ppm
HFC (R404a, R407c, R410a, R507)	0-2000ppm
R-134a	0-2000ppm
R-290	0-2000ppm
R-600	0-2000ppm

-ATEX certified; High temperature version till 140°C available;
 -Relay outputs versions available; LED indication for alarm events; Non intrusive calibration.

TECHNICAL SPECIFICATIONS

Working voltage	15 – 30 VDC
Power consumption	3W
Output signal	4-20mA
Working temperature	-40 - +70°C
Humidity range	10 – 90%R.H.
Dimensions	200 x 132 x 68 mm
Weight	1,500kg
Enclosure material	Aluminum enclosure, Stainless steel A316 gas sensor housing
Ingress protection	IP65
Cable connection	Cable gland(s) ½ NPT
ATEX certification	Ⓔ II 2G Ex db IIC T4 Gb Ⓔ II 2D Ex tb IIIC T135°C Db

GDPC.A



-Catalytic gas sensor element;

ADNALOGUE GAS DETECTORS FOR COMBUSTIBLE GASES

DETECTED GAS	RANGE	ORDER CODE
METHANE	0-100%LEL	GDPC.A.CH4.100
PROPANE	0-100%LEL	GDPC.A.PRO.100
N-BUTANE	0-100%LEL	GDPC.A.BUT.100
N-PENTANE	0-100%LEL	GDPC.A.PEN.100
N-HEXANE	0-100%LEL	GDPC.A.HEX.100
N-HEPTANE	0-100%LEL	GDPC.A.HEP.100
N-OCTANE	0-100%LEL	GDPC.A.OCT.100
METHANOL	0-100%LEL	GDPC.A.MNL.100
ETHANOL	0-100%LEL	GDPC.A.ETL.100
ISO-PROPANOL	0-100%LEL	GDPC.A.IPR.100
ACETONE	0-100%LEL	GDPC.A.ACE.100
MEK	0-100%LEL	GDPC.A.MEK.100
TOLUENE	0-100%LEL	GDPC.A.TOL.100
ETHYL ACETATE	0-100%LEL	GDPC.A.EAC.100
HYDROGEN	0-100%LEL	GDPC.A.HYD.100
AMMONIA (LEL)	0-100%LEL	GDPC.A.AMM.LEL
UNLEADED PETROL	0-100%LEL	GDPC.A.UPT.100
ETHYLENE	0-100%LEL	GDPC.A.ETH.100

GDPC.A



-Electrochemical gas sensor for toxic gases;
 -Infrared gas sensor for carbon dioxide;
 -Semiconductor gas sensor for refrigerants;

ANALOGUE GAS DETECTOR FOR TOXIC & REFRIGERANT GASES

DETECTED GAS	RANGE	ORDER CODE
CARBON MONOXIDE	0-500ppm	GDPC.A.CO.500
NITROGEN DIOXIDE	0-30ppm	GDPC.A.NO2.30
HYDROGEN SULPHIDE	0-100ppm	GDPC.A.V.H2S.100
AMMONIA	0-100ppm	GDPC.A.AMM.100P
AMMONIA	0-2000ppm	GDPC.A.AMM.2000
CHLORINE	0-10ppm	GDPC.A.CL2.10
OXYGEN	0-25%Vol	GDPC.A.O2.25
CARBON DIOXIDE	0-15000ppm	GDPC.A.CO2.15000
HCFC Refrigerants (R22)	0-2000ppm	GDPC.A.HCFC.2000
HFC (R404a, R407c, R410a, R507)	0-2000ppm	GDPC.A.HFC.2000
R-134a	0-2000ppm	GDPC.A.134.2000
R-290	0-2000ppm	GDPC.A.290.2000
R-600	0-2000ppm	GDPC.A.600.2000