

TOXIC AND EXPLOSIVE GAS TRANSMITTER DR-DT



Analogue line



RAS

- Gas Monitoring for hazardous area designed to measure gas concentration at different ranges (% L.E.L. or ppm).
- Software for remote digital calibration feature.
- Power consumption typically duty 1 watts.
- Control unit connected by a three conductor cable.
- Two configurable analog (4-20 mA) outputs (DR configuration)

Dual Range, with two independent scale
Dual output for redundant applications

- Single analogue output (DT configuration).
- ATEX certificate II 2G EEx-d IIC T6



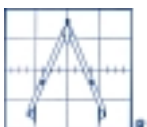
DUST

MAIN EXPLOSIVE SUBSTANCES LIST

SUBSTANCES	DESCRIPTION	Substance cod.
Methane	General purpose catalytic sensor for fixed detecting systems of explosive substances 0-100%L.E.L.	-xx/101
L.P.G.	General purpose catalytic sensor for fixed detecting systems of explosive substances 0-100%L.E.L.	-xx/102
Propane	General purpose catalytic sensor for fixed detecting systems of explosive substances 0:100% L.E.L.	-xx/104
Gasoline vapor	General purpose catalytic sensor for fixed detecting systems of explosive substances 0-100%L.E.L.	-xx/110
Acetylene	Optimised catalytic sensor for the detection of C ₂ H ₂ 0-100% L.E.L.	-xx/115
Hydrogen	Optimised catalytic sensor for the detection of H ₂ 0-100% L.E.L.	-xx/127
Ammonia	Optimised catalytic sensor NH ₃ 0-4% v/v 400 PPM sensitivity.	-xx/141

(xx = DT, DR configuration)

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Oxigen Transmitter

Substance	Std. Range (% v/v)	Min.Range (ppm)	Max.Range (ppm)	Std. Alarm		Cod.Prod.
				Low	High	
Ossigeno (O2)	0-25%			18%	15%	-xx/61

(xx = DT, DR configuration)

CONFIGURATIONS

Outputs	Description	Code
4-20 mA	Single analogue output	DT
4-20 mA	Two independent analogue outputs	DR

SPECIFICATION

Sensors	Catalytic pellistor Electrochemical Semi-conductor
Degree of protection	IP65
Short-term repeatability	±2% FSD 60 min.
Long-term repeatability	±5% FSD 3 months.
Accuracy(linearity)	±5% FSD

Electrical Specification

Supply Voltage	10-30 Vdc
Power consumption	2 watts
Supply fuse	500 mA
Signal fuse	63 mA
Analog output	4-20 mA (0-20mA)
Load	0-300 ohms
Cable Type	3 or 4 conductor shielded cable

Enviromental Specification

EMC susceptibility	10V/m
Storage temperature	-40 to 85 °C
Operating temperature	-10 to 70 °C
Humidity range	100% R.H. n.c.

Mechanical Specification RAS body

Overall dimensions	170x100x70 mm
Weight	0.8 Kg.
Mounting	2x6 mm holes
Termination EEx-d	Terminal block
Certificazioni	ATEX II 2GEEEx-d IIC T6
Junction box attachment	3/4" NPT

Mechanical Specification DUST body

Overall dimensions	150x80x70 mm
Weight	0.5 Kg.
Mounting	4x6 mm holes
Termination	PG-16

Part number description

DUST-xx-nn

Configuration code
(DT=single 4-20 configuration)

Substance code
(127=H2 0-100% Iel)

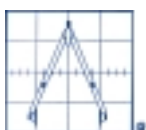
RAS-xx-nn

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