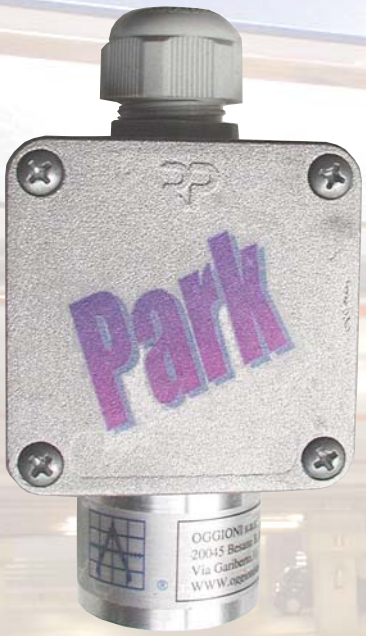
PARK GAS TRANSMITTERS
with enose® Technology



DESCRIPTION

Detector series for continuous monitoring of combustible or toxic substances in atmosphere.
Conceived for work places, car parking areas and industrial sites where it is necessary an air quality monitoring.

NEW TWIN-PARK: double channel gas detector for car parking areas conceived to detect two gases simultaneously: two toxic (CO and NO2) or one toxic and one combustible (CO + LPG or Gasoline Vapours).

APPLICATIONS

Car parking places
monitoring combustible gases,
and toxic gases emissions, specific
detection of Carbon Monoxide (CO),
and Nitrogen Dioxide (NO_2)

Main Characteristics

Microprocessor based
Sensor self diagnosis and digital algorithm for signal conditioning
Highly immune to false alarms
Low Power consumption

Automatic ZERO and SPAN adjustment
No user adjustment are required
4-20 mA analogic output
"One Person" calibration procedure
Small size

MAIN SUBSTANCES LIST

SUBSTANCES	DESCRIPTION	Prod.cod.
Methane	General purpose catalytic sensor for fixed detecting systems range 0-100%L.E.L.	PK/101/...
L.P.G.	General purpose catalytic sensor for fixed detecting systems range 0-100%L.E.L.	PK/102/...
Gasoline Vapor	General purpose catalytic sensor for fixed detecting systems range 0-100%L.E.L.	PK/110/...
Hydrogen	General purpose catalytic sensor for fixed detecting systems range 0-100%L.E.L.	PK/127/...
Carbon Monoxide	Electrochemical cell for toxic gases range 0-300 ppm.	PK/320/...
Nitric Oxide	Electrochemical cell for toxic gases range 0-100 ppm.	PK/383/...
Nitrogen Dioxide	Electrochemical cell for toxic gases range 0-30 ppm.	PK/384/...

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SPECIFICATIONS

Sensors	Catalityc pellistor or electrochemical cell
Degree of protection	IP65
Short-term repeatability	±2% FSD 60 min.
Long-term repeatability	±3% FSD 3 months.
Accuracy (linearity)	±5% FSD

Enviromental Specifications

EMC	According to EN61000-4
Storage temperature	-40 to 85 °C
Operating temperature	-20 to 50 °C
Humidity range	90% R.H. n.c.

Output Configurations

Output	Description	Code
4-20 mA	Analog current loop	AAA
4-20mA + RS485	Analog current loop + RS485 Modbus RTU serial loop	AAS

Mechanical Specification

Overall dimensions	120 x 65 x 45 mm
Weight	0.6 Kg.
Mounting	2x6 mm holes
Termination IP65	PG16 Terminal block

Electrical Specification

Supply Voltage	12-30 Vdc
Max. Power consumption	1 watt (Catalitic sensor)
Supply fuse	250 mA
Signal fuse	63 mA
Analog output	4-20 mA
Load	0-300 ohms
Cable Type	3 conductors cable

Part number description

Body	Description	Substance Code	Output Configuration Code
PK/ **PK**/	IP65 Aluminium body IP65 Aluminium body	**101** (methane) **320** (Carbon Monoxide)	**AAA** Analog 4-20mA loop **AAS** Analog 4-20mA + serial RS485 loop

Example of Part number composition for a Park gas detector for methane with analog 4-20 mA + serial RS485 outputs:
code: PK/101/AAS

Example of Part number composition for a Twin-Park gas detector Carbon Monoxide + LPG with analogue 4-20mA output:
cod. TPK/320102/AAA

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