

UR21

Gas detectors:

URxx21yy E ATEX II 2G Ex d IIC T6 Gb and MED/3.54 (IEC 60092-504) Certified

URxx21yy S ATEX II 3G Ex d IIC T6 Gb and MED/3.54 (IEC 60092-504) Certified

URxx21yy I IP65 protection degree and MED/3.54 (IEC 60092-504) Certified

URxx21yy L IP55 protection degree and MED/3.54 (IEC 60092-504) Certified



SENSIGAS®

The UR21 detectors are designed for Stand-Alone operation with a 4÷20mA output and for interfacing with the Sensigas® UCE1 and UCE4 Central Units and, more in general, with any Central Unit, PLC, Module of I/O that has 4÷20mA inputs.

If equipped with an optional card they can have 4 relay outputs with voltage-free changeover contacts respectively for: - Pre-alarm, 1st Alarm Threshold, 2nd Alarm Threshold, Fault Sensor.

Power supply 10÷28Vdc.

Sensitive elements:

- Catalytic (S and P), Infrared (I) or Semiconductor (T) for flammable gases
- Electrochemical cell (S or P), Infrared (I) or Semiconductor (T) for toxic and refrigerant gases.

Up to three intervention thresholds. Automatic counting of the lifetime of the sensors.

Operating temperature: - 20 ÷ +50 °C or - 40 ÷ +70 °C for extended range

UR21E detectors are used to detect, by diffusion, the presence of several gases as indicated behind : generally, Hydrocarbons, as well as flammable and non-flammable Refrigerants, in areas classified as ATEX Zone 1 and Zone 2 in industrial environments, thermal power stations or similar places.

URS.21.E		URS.21.S		Type of Gas Detected
Detector model		Detector model		
Professional	Standard	Professional	Standard	
URG21PE	URG21SE	URG21SS	URG21SS	Methane gas detector
URP21PE	URS21SE	URP21SS	URS21SS	LPG detector
URB21PE	URB21SE	URB21SS	URB21SS	Petrol vapor detector
URM21PE	URM21SE	URM21SS	URM21SS	Ammonia detector
URI21PE	URI21SE	URI21SS	URI21SS	Hydrogen detector
URC21PE	URC21SE	URC21SS	URC21SS	Propane detector
URT21PE	URT21SE	URT21SS	URT21SS	Octane detector
URL21PE	URL21SE	URL21SS	URL21SS	Acetylene detector
URE21PE	URE21SE	URE21SS	URE21SS	Ethyl alcohol detector
	URO21SE		URO21SS	Carbon monoxide detector (CO)
	URS21SE		URS21SS	Oxygen detector (O2)
	URD21SE		URD21SS	Carbon dioxide detector (CO2)

URS21I		URS21L		Type of Gas Detected
Detector model		Detector model		
Professional	Standard	Professional	Standard	
URG21PI	URG21SI	URG21PL	URG21SL	Methane gas detector
URP21PI	URS21SI	URP21PL	URS21SL	LPG detector
URB21PI	URB21SI	URB21PL	URB21SL	Petrol vapor detector
URM21PI	URM21SI	URM21PL	URM21SL	Ammonia detector
URI21PI	URI21SI	URI21PL	URI21SL	Hydrogen detector
URC21PI	URC21SI	URC21PL	URC21SL	Propane detector
URT21PI	URT21SI	URT21PL	URT21SL	Octane detector
URL21PI	URL21SI	URL21PL	URL21SL	Acetylene detector
URE21PI	URE21SI	URE21PL	URE21SL	Ethyl alcohol detector
	URO21SI		URO21SL	Monossido di Carbonio (CO)
	URS21SI		URS21SL	Ossigeno (O2)
	URD21SI		URD21SL	Anidride Carbonica (CO2)

Detectors can be equipped and ordered with the following version prefixes:

DR = Display with Relè;

DN = Display without Relè

or with suffix:

EXR = Extended temperature range -40...+70°C (only for Professional - Not available for Oxygen)

See the technical manuals for more details