



AMEREX – Gas sensor heads

Gas sensor heads

AMEREX Integrated 37010 or 37020 Gas detector transmitter units offer an effective and efficient means of monitoring numerous gases with a variation of sensors.

AMEREX Integrated 37010 and 37020 are gas transmitters in an aluminum and Stainless steel housings respectively. The housings come complete with AMEREX Integrated 30110 mesh node unit and external antenna.

AMEREX Integrated 30110 node employs innovative ideas and technologies to provide the best possible mesh platform for the user ensuring connectivity with other mesh nodes without the hardwired issues.

The modules have the ability to connect to AMEREX Integrated SNAP network. This can be monitored locally by the site personnel and critical data to the operator.



Certification

ATEX: No. SIRA 03 ATEX 1176X
IECEX: No. SIR 06.0016X

Type of protection: Flameproof and dust protected

II 2 GD

Exd IIC T6 Gb - 20 °C Ta + 35 °C
Extb IIIC T85 °C Db
Exd IIC T5 Gb - 20 °C Ta + 50 °C
Extb IIIC T100 °C Db
Exd IIC T4 Gb - 20 °C Ta + 85 °C
Extb IIIC T135 °C Db
Exd IIC T3 Gb - 20 °C Ta + 120 °C
Extb IIIC T200 °C Db

Technical Specification

Sensor type

- Catalytic / Pellistor
- Infrared
- Electrochemical
- Photoionization

ENCLOSURE

- Stainless steel 316 – S16

WEIGHT

- 170g

THREAD

- M20 x 1.5P

ACCESSORY MOUNTING THREAD

- M33 x 1.25P

INGRESS PROTECTION

- IP65 with water shield

SINTER

- Removable / replaceable sensor / sinter

DIMENSIONS

- Body length 32mm
- Diameter 33mm

AMEREX—Ordering Information

How to choose the appropriate transmitter with the required sensor.

SPECIFICATION					
GAS DETECTOR TRANSMITTER - RELAY BOARD					PART No.
Transmitter - Aluminum enclosure, c/w wireless module, Isolate unit and antenna (no sensor)					37010
Transmitter - Stainless steel enclosure, c/w wireless module, Isolate unit and antenna (no sensor)					37020
Transmitter in Aluminum enclosure only					37501
Transmitter in Stainless steel enclosure only					37502
Transmitter relay board to be used on 37501 and 37502 for SIL2 approval					37030
SENSOR CATEGORY	GAS DETECTED	MEASUREMENT RANGE	REMARKS	TRANSMITTER BOARD REQUIRED	PART No.
FLAMMABLE GASES (CATALYTIC)	Hydrocarbons	0-100% LEL	2v / 300mS (Standard Catalytic)	CAT	37101
	Ammonia, Kerosene, Hydrogen	0-100% LEL	2v / 100mA	CAT	37102
FLAMMABLE GASES (IR)	Hydrocarbons	0-100% LEL		CAT	37201
OXYGEN AND TOXIC (ELECTRO-CHEMICAL)	Oxygen	0-25% Vol		ECC	37300
	Carbon Monoxide	0-250 ppm		ECC	37301
	Hydrogen Sulphide	0-50 ppm		ECC	37302
	Sulphur Dioxide	0-10 ppm		ECC	37303
	Nitrogen Dioxide	0-10 ppm		ECC	37304
	Hydrogen	0-2000 ppm		ECC	37305
	Hydrogen Cyanide	0-25 ppm		ECC	37306
	Nitric Oxide	0-100 ppm		ECC	37307
	Ammonia	0-100 ppm	Low Level	ECC	37308
	Ethylene Oxide	0-25 ppm		ECC	37309
	Ammonia	0-1000 ppm	High Level	ECC	37400

For example a Stainless steel transmitter with an electrochemical transmitter board and Ammonia 0-100ppm sensor would have an order number of: 37020/37308

37020 Stainless steel housing
37308 Ammonia, 0-100 ppm, Low Level, ECC



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