

▶ HORA 130

Breathing air quality measurement



Technical specifications

- Dimensions:** 370 x 298 x 131 mm
- Material:** Rubber
- Protection rating:** IP 54
- Power supply:** 230V ± 15% or optional 24V DC
- Power consumption:** 1 A
- Operating pressure:** 2 to 10 bar
- Limited dew point:** Down to -40°C
- Flow rate:** 30 L/H
- Connection:** 4 x 6 mm tube
- Operating conditions:**
 - Operating temperature: 10 to 40°C
 - Humidity: 95% RH non-condensing

▶ Measuring cells (EN12021 compliance):

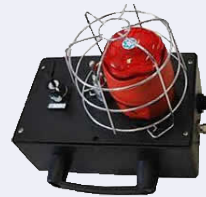
Sensors	CO	CO2	O2	Hygrometry	Oil vapors
Technology	Electrochemical	Infrared	Electrochemical	Polymer	Ionisation lamp
Estimated lifetime	> 2	> 5 years	> 12months	> 3 years	> 6000h
Scale	100ppm	3000ppm	25% volume	+20 to -40°C	0 to 20ppm 4mg/m3
Precision	1%	2%	1%	2°C	5ppb
Linearity	1%	1%	1%	Linear	Linear
Response time (T90)	35s	30s	12s	180s	5s
Alarm	5ppm	500ppm	20%	Automatic	0.5mg/m3

Product description

The **HORA 130** has been specially designed to measure the breathing air quality on mobile respiratory protection units and on worksites and worksites in accordance with decree: ETST 1309168A of the 8th of April 2013. It enables permanent monitoring of CO, CO2, O2, humidity and oil vapours in compliance with **standard NF EN 12021**.

The rigid rubber case with IP54 protection allows it to be used in extreme conditions. A heating option is available for temperatures as low as -10°C. A programming algorithm enables continuous monitoring of the correct operation of the measurements and alarm controls.

The HORA 130 breathing air quality measurement beacon has an electrical and pneumatic output for remote sound and light signaling in the event of an alarm or malfunction. An integrated SD card and communication port can be used to retrieve measured values.



The **Airskid AL12** alarm relay is an electrical and pneumatic alarm relay used to monitor any anomaly or alarm generated by the HORA 130 breathing air quality control beacon or any breathing air analysis system.

▶ The assets of the HORA 130:

- Constant measurement of CO, CO2, O2, H2O and oil
- Permanent display of measurements on monochrome screen
- Adjustable thresholds (adjusted in accordance with the decree of the 8th of April 2013)
- Sensor calibration from the display screen
- Measurement traceability on SD card
- Alarms triggered by power failure (with AL12)

▶ Fields of application:

- Asbestos removal
- Dust or local pollution sites
- Fixed or mobile air production units
- Hooded air supply



01	1311	1047	0.6281407	498.1132	21.38365	95	Alarme CO2
02	1311	1048	0.6281407	494.3397	21.32076	95	Fix Alarme CO2
03	1311	1049	0.6281407	494.3397	21.32076	95	Fix Alarme O2
04	1311	1048	0.3782844	520.7548	22.23237	95	Fix Alarme Débit
05	0	0	0	0	0	0	0
06	1311	1048	0.6281407	498.1132	21.47789	12	Alarme débit
07	1311	1049	0.3782844	524.5203	22.38994	95	Fix Alarme Débit
08	1311	1049	0.0739397	494.3397	21.91843	95	Fix Alarme CO2
09	1311	1139	0.1256201	520.7548	21.04289	95	Alarme CO2
40	1311	1143	0.2512563	528.434	20.79905	98	Fix Alarme Débit
41	1311	1146	34.87437	520.7548	21.04289	57	Débit CO
42	1311	1147	5.653206	524.5203	21.04289	95	Fix débit
43	0	0	0	0	0	0	0

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