

EN 12021 Air breathing analyser

VAR18 is an analyser designed to monitor the quality of breathing air in industrial and hospital networks. Mounted in a reinforced wheeled case or in a 19" glass case, the VAR18 can continuously measure the following values:

- CO / CO2 / O2, H2O, Oil Vapour (COV), dust particles PM 10, PM 25.

The colour touch screen displays values and trend curves with a 24-hour history. Thresholds are calibrated to EN 12021.

Pressure and flow regulators ensure reliable measurements with no drift over time. An alarm report is fitted to a connector on the front panel, and the printer option enables tickets to be printed. A flash memory records values and alarms over time.

A range of software packages are supplied for data management, display and remote control. Sensors can be calibrated from the touch screen.

Other sensors such as NO, NO2, SO2, NH3, CH4 and T° are available as options.



MAIN FEATURES

9 analog inputs

Relay expyeacion card available

Data logger

RS485 Modbus RTU communication port

SD Card 2 Go removable

7 inch PLC screentouch

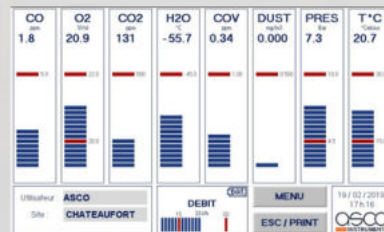
Auto -test sensors

Integrated Buzzer

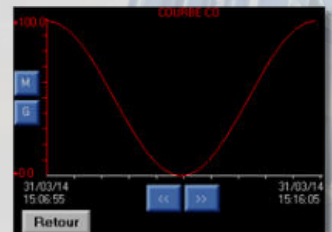
Options : CAN, Ethernet, Profibus

Option : PSU+ battery + printer

SCREENS and VALUES



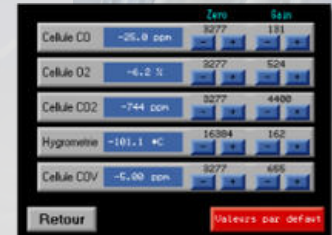
Thresholds and values



measurement data curves



Main menu



Threshold settings

- 19 inch wall mounted cabinet model



Applications

- Nuclear industry (production/research/maintenance),
- Industrial paint booths (aeronautics),
- Fixed or mobile air production units (all activities),
- Compressor functional management (optional).
- High-pressure cylinder filling control,
- Air supply under balaclava or helmet (firefighters).



Caractéristiques techniques

FONCTIONNALITÉS	INFORMATIONS
Power supply	De 90 to 240 volts 50 ou 60 Hz /1A
Report d'alarme	24 VCC positive safety
Gain + zéro cells calibration	to uchsreen
Com output	RS485
Other com outputs	Can, Ethernet, Profibus
Com outputs settings	Serial printer/Modbus/Modem
Operating temperature	5 to 45°C
Storage temperature	20 to +50°C
Entry pressure	10 bar max (sygear option HP)
Suitcase dimensions	450 x 380 x 500 mm
Weight	14 kg
Protection index	IP 66

SPECIFICATIONS CELULES	CO	CO2	O2	H2O	COV
Technology	Electrochemical	Infrared	Electrochemical	Polymer	Ionisation lamp
Life time	> 2 year	> 5 year	> 12 month	> 3 year	> 6000 h
Scale	100 ppm	30 bar	25% volume	-80 to 0°C	0 to 20 ppm 4 mg/m ³
Precision	1%	1%	1%	2° C	5 ppb
Linearity	1%	0.5%	1%	Linéaire	Linéaire
Response time	35 seconds	10 seconds	12 seconds	180 seconds	5 seconds

OPTIONS	DUST	PRESSURE	TEMPERATURE	NO	NO2	SO2
Technology	Diffraction	Piezo	PT100	Electrochemical	Electrochemical	Electrochemical
Life time	> 3 year	> 5 year	> 12 month	> 3 year	> 12 month	> 12 month
Scale	0.3/0.5/1/5 µm	30 bar	25% volume	0 to 100 ppm	0 to 20 ppm	0 to 10 ppm
Precision	± 10% reading	0.25%	1°C	2° C	5 ppb	0.1 ppb
Linearity	-	1%	-	1%	1%	1%
Response time	35 seconds	10 seconds	12 seconds	35 seconds	35 seconds	35 seconds