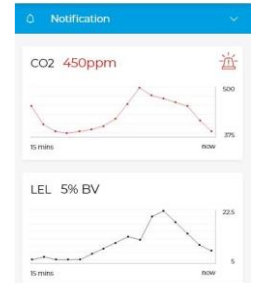


Breathing air monitoring device SAFEGUARD-C

The high-quality breathing air monitoring device SAFEGUARD-C is used for recording the breathing air quality according to DIN EN 12021 as well as for alarming in case of exceeding or falling below the set limit values.

SAFEGUARD-C is connected directly to the breathing air network after breathing air preparation.

- simultaneous monitoring of temperature, pressure, dew point, oxygen O₂ (range 0-25%)
 carbon monoxide CO (range 0-20 ppm)
 carbon dioxide CO₂ (range 0-5'000 ppm)
 volatile organic compounds (VOC) (range 0-40 ppm)
- limit values for each sensor individually adjustable
- recording of measured values in adjustable intervals
- display of the current sensor readings (red/green)
- status display with 360° edge lighting (red/green)
- with potential-free contact for triggering an external alarm
- operation via rechargeable battery (runtime 8 h), 12/24 VDC or 230 VAC
- operation / query / alarming also possible via WiFi
- magnetic attachment possible
- for compressed air range from 2 to 10 bar
- dimensions: L x W x H = 160 x 100 x 90 mm
- weight: 0.6 kg



Remark:

The VOC sensor detects volatile organic compounds (hydrocarbons, solvents and oils). If there is oil in the breathing air system, this is reflected in an increased VOC content. In this case, the oil content must be checked using an explicit method.



Breathing air standard DIN EN 12021:2014	
<u>Limits:</u>	
Oxygen (O ₂):	21% ± 1%
Carbonmonoxide (CO):	≤ 5 ppm
Carbon dioxide (CO ₂):	≤ 500 ppm
Oil content:	≤ 0.5 mg/m ³
Dew point temp.:	min. 5°C below Tmin

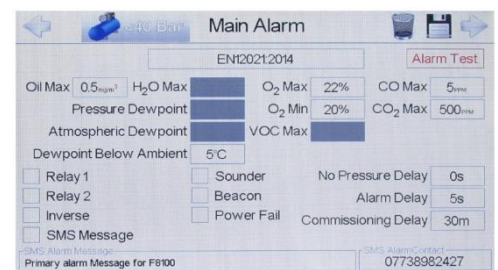
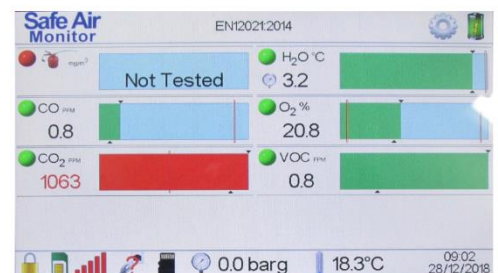
Item no.:	Description	
116243	Breathing air monitoring device SAFEGUARD-C for recording the breathing air quality as well as for alarming in case of exceeding or falling below the set limit values	
116451	Hose set For connecting SAFEGUARD-C to breathing air supply hose length 2 m, equipped with Rectus 20KA nipple	
116453	Retrofit set for retrofitting breathing air preparation unit AIR-JET with connection for SAFEGUARD-C, equipped with Rectus 20KA coupling	
116470	Data cable for alarm output for external monitoring length 5 m, with M12 plug, 5-pin	

Breathing air monitoring device SAFE AIR MONITOR

The high-quality breathing air monitoring device SAFE AIR MONITOR is used for recording the breathing air quality according to DIN EN 12021 as well as for alarming in case of exceeding or falling below the set limit values.

SAFE AIR MONITOR is connected directly to the breathing air network after breathing air preparation.

- simultaneous monitoring of temperature, pressure, dew point, oxygen O₂ (range 0-25%)
carbon monoxide CO (range 0-20 ppm)
carbon dioxide CO₂ (range 0-2'000 ppm)
volatile organic compounds (VOC) (range 0-40 ppm)
- limit values for each sensor individually adjustable
- recording of measured values in adjustable intervals
- additional test port for use with Dräger impactors for measuring oil aerosols
- display of the current sensor readings (red/green)
- status display with 360° edge lighting (red/green)
- with potential-free contacts for triggering two external alarms
- operation via 230 VAC
- 7" touch screen, operation with stylus pen
- with two sensor inputs
- for compressed air range from 2 to 10 bar
- dimensions: L x W x H = 315 x 330 x 125 mm
- weight: 5.0 kg






Remark:

The VOC sensor detects volatile organic compounds (hydrocarbons, solvents and oils). If there is oil in the breathing air system, this is reflected in an increased VOC content. In this case, the oil content must be checked using an explicit method.

Breathing air standard DIN EN 12021:2014

Limits:

Oxygen (O ₂):	21% ± 1%
Carbonmonoxide (CO):	≤ 5 ppm
Carbon dioxide (CO ₂):	≤ 500 ppm
Oil content:	≤ 0.5 mg/m ³
Dew point temp.:	min. 5°C below Tmin

Item no.:	Description	
116460	Breathing air monitoring device SAFE AIR MONITOR for recording the breathing air quality as well as for alarming in case of exceeding or falling below the set limit values	
116647	Pressure regulator For reducing the breathing air pressure to max. 10 bar, equipped with Rectus 21 plug/coupling	
116648	Dräger Impactor Impactor for testing breathing air for oil aerosols Set with 10 impactors	
116649	Hose set For connecting SAFE AIR MONITOR to breathing air supply, equipped with Rectus 21 nipple	