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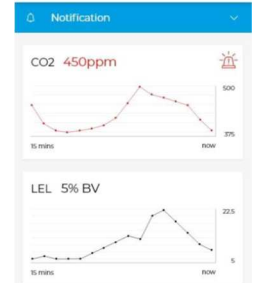| PI-04321	Product info
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Breathing air monitoring device SAFEGUARD-C

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 O_2 (range 0-25%)
  carbon monoxide CO (range 0-20 ppm)
  carbon dioxide CO_2 (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
Limits:
Oxygen (O_2):	21% ± 1%
Carbonmonoxide (CO):	≤ 5 ppm
Carbon dioxide (CO_2):	≤ 500 ppm
Oil content:	≤ 0.5 mg/m³
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	