



# AIR-PRESSURE SENSOR



### Emphasis ...

is on the advantageous ratio of performance and cost. As part of automatic weather stations in altitudes of up to 3200 m the sensor precisely reacts to any change in air pressure. The robust housing makes trouble-free outdoor application possible.

- inexpensive
- energy saving
- analogous output signal
- with factory test certificate
- microprocessor technology

- cruise ships ● heliports ● professional meteorology e.g. at airports ● industrial applications ● development ● weather stations

### Professional Line

(8128)

### Air Pressure Sensor

Id-No. 00.08128.093 072

Measuring element:  
Measuring range:  
Accuracy:

pressure-sensitive silicium diaphragm ● capacitive  
600...1100 hPa  
± 0.3 hPa within the range of 800...1100 hPa ● -10...+50°C  
± 0.5 hPa within the range of 600...1100 hPa ● -10...+50°C

Long-term stability:  
Resolution:  
Range of application:  
Supply voltage:  
Output voltage:  
Current consumption:  
Housing:  
Dimensions/ Weight:

< 100 ppm/ year  
0.1 hPa  
altitude 0...3200 m ● temperatures -40...+60°C  
9.5...24 V<sub>DC</sub>  
0...5 V<sub>DC</sub> (analog)  
< 6 mA  
aluminium protection guard · RAL 9010 (clean-white) · IP 65  
196 x 160 x 97 mm · 1.6 kg with guard · sensor module 0.125 kg

### Varieties:

32.95665.020 010

(95665U20a) **Air Pressure Sensore Module** (without guard)  
installation kit for mounting into data acquisition unit SYNMET-LOG, see chapter „Data logger and Software“, [page 94 ff.](#)

32.95660.008 060

(95660 U8f) **Air Pressure Module** (without guard)  
for mounting into data acquisition unit SYNMET-IND see chapter „Data logger and Software“, [page 94 ff.](#)

