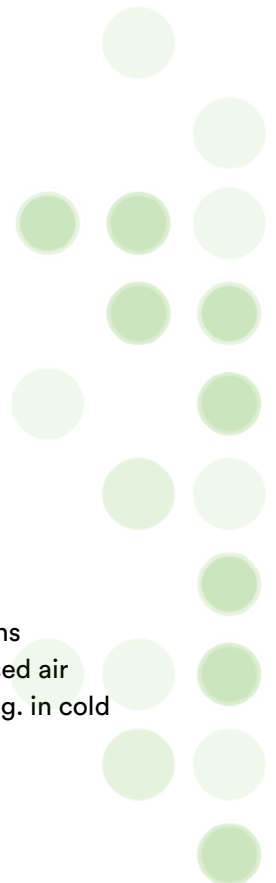# econ IAC500 –

For the **precise measurement** of **ambient conditions**

The IAC500 is a state-of-the-art sensor for measuring ambient conditions. It is a 3-in-1 sensor that measures and tracks absolute pressure, temperature and relative humidity in the room.

A product for:

- The measurement of ambient conditions
- Monitoring the suction air of compressed air stations and for monitoring room air, e.g. in cold storage or storage rooms

Simple detection of ambient conditions

EC2501287

Your advantages at a glance:

- 3 in 1 sensor: absolute pressure, temperature, relative humidity in the room
- Integrated display
- 4..20 mA analog output (not galvanically isolated)
- Alarm relay (max. 60 VDC; 0.5 A) - Limit value adjustable via buttons
- Modbus-RTU (RS485) interface
- Wall mount included

Technical Data of the IAC500

Temperature range	-20...+60 °C
Accuracy	± 1,0 K (0...60 °C) ± 1,25 K (-20...0 °C)
Rel. humidity measuring range	5...95% rF
Accuracy	± 3 %
Absolute pressure measuring range	300...1100 hPa(abs)
Accuracy	± 1,7 hPa
Power supply	24 VDC (18...30 VDC via SELV supply) or Power over Ethernet (IEEE802.3af: Class 2 (3.84W - 6.49W)
Enclosure protection class	IP 65
Operating temperature	-20...+60°C
Ambient temperature	-20...+60°C
Storage temperature	-40...+80°C
Readable via Modbus	Absolute pressure [hPa, mbar, bar, psi,...], dew point [°Ctd, °Ftd], temperature [°C, °F], rel. humidity [%RH], abs. humidity [g/m³]