Fischer® *Product data sheet*	**Atmospheric Pressure Sensor**	**NO. 331113** Date: 07/07 Site 1/1

Description:
The sensor is designed to determine the absolute atmospheric pressure. The outgoing analogue signal can be used for meteorological purposes or as input signal for control and regulation applications.

Construction and Mode of Operation:
With a piezoresistive pressure sensor and signal conditioning electronic the actual air pressure will be transformed into a compensated, proportional, standardized electrical output. The aluminium die cast metal housing is powder-coated and splash-proof.
It will protect the electronic against the influence of the weather and offers good EMC (electromagnetic compatibility) characteristics.

Technical Data:

Linearity	: ± 0,5 hPa
Temperature error	: max. ± 0,5hPa between -20 ... 50°C
Temperature hysteresis	: < 0,2 hPa (lasting zero shift after load with -35 or 70°C)
Settling time	: < 10s
Measuring range	: 900 ... 1050 hPa
Working range	: 200 ... 1200 hPa (other measuring range within the working range on request)
Over pressure	: 0 ... 3000 hPa
Operating voltage	: 8 ... 28 V DC with reverse voltage protection
Operating current	: approx. 20 mA, max.30mA
Electronic output	: 4 ... 20 mA two-wire configuration, 0...500Ohm load
Operating temperature	: -35 ... 70 °C
Medium	: Air and all not aggressive gases
Protecting rating	: IP 54
Dimensions	: 90 x 58 x 35mm
Weight	: approx. 160g

Connection chart:

position	colour	connection
1	red	+ supply 8...28V DC
2	blue	- output 4...20mA

Feingerätebau K.Fischer GmbH
Venusberger Straße 24
D-09430 Drebach
Germany

Phone +49 (0) 37341 / 487-0
Fax +49 (0) 37341 / 487-30
E-mail info@fischer-barometer.de
Internet www.fischer-barometer.de