pressure measuring module

description:	module for measuring the hydrostatic pressure referred to the atmospheric pressure of the ambience. The hydrostatic pressure is a measure fort he height of the water column, being burden on the sensor
interface:	AquiTronic sensor bus interface
A/D converter:	16 Bit integrating

sensor (ATM 10):

measuring principle:	encapsuled, piezoresitive pressure measuring cell with temperature compensation
material:	titanium
accuracy:	0.1% of final value
resolution:	0.005 % of value measured
overload:	up to 4-fold measuring range, indication of meas. value up to 1.5-fold measuring range
comp. temp. range:	0°C to +50°C
available meas. ranges:	100, 200, 350, 500, 700, 1000, 1500, 2000, 3500 and 5000 kPa (100 kPa = 1 bar = water column of approx. 10m)

also available as absolute pressure measuring sensor (ATM 11)

temperature measurement (ATM 15):

measuring range:	-10°C to +50°C
accuracy:	±0.2 K
resolution:	0.02 K

general data:

housing material:	V4A stainless steel, POM®
sealings:	Viton®
dimensions:	length of probe body: 105 mm diameter: 32 mm
weight:	250 g
operating temperature:	0°C to +60 °C

