



Sensor Module

Description

The sensor module is designed for use in APEX controllers. Its functions are to measure system-specific pressure levels and display parameters and pressure levels.

The sensor module is directly connected to the APEX controller, which supplies it with the necessary intrinsically safe voltage.

Measured signals are passed on with intrinsic safety to the APEX controller module. Depending on the variant, the sensor module is connected either by means of individual core wires or by a sheathed lead.

Features

- Easy installation
- Simple operation

Explosion protection

Ex protection type

ATEX II 2G Ex ib IIC T4, T6

Certification

DMT 99 ATEX E 108 X

IECEx Ex ib IIC T4, T6

Certification

IECEx BVS 09.0055X

Further approvals and test certificates can be found at www.bartec.de

permitted for

Zone 1 and 2

Technical data

Construction

Screwed onto mounting plate
Front assembly with mounting frames

Enclosure materials

Plastic housing with metal front plate

Protection class

min. IP 20

Displays

LCD on front panel of enclosure

Control elements

Membrane push-buttons

Weight

1.0 kg

Ambient temperature

-20 °C up to +60 °C (operation)

-20 °C up to +60 °C (storage)

Electrical data

Power consumption

$P_V = 1.2 \text{ W}$

Ex i circuit

Supply circuit

$U_i = 30 \text{ V}$

$C_i = 50 \text{ nF}$

$L_i = \text{negligible}$

Supply circuit LCD

$U_i = -7.5 \text{ V}$

$I_i = 10 \text{ mA}$

$P_i = 20 \text{ mW}$

$C_i = \text{negligible}$

$L_i = \text{negligible}$

Signal circuits

$U_i = 7.5 \text{ V}$

$C_i = 1 \mu\text{F}$

$L_i = \text{negligible}$

Combined supply and signal circuits

maximum total current = 250 mA

maximum total power = 1.2 W

Option

T6 special design on request

Selection chart Sensor Module, T4

Variants	Code no.	Pressure range	Code no.
Mounting	1	0 to 25 mbar	1
Construction	2	0 to 300 mbar	2

➔ Complete order no. 17-51P2- 00

Please enter code number.