Compact pressure sensor SPAB

Price follows function

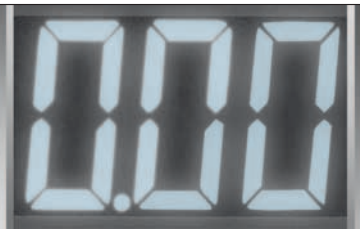
The inexpensive, compact pressure sensor SPAB with display is distinguished by its outstanding ease of operation thanks to intuitive menu navigation. It's simple to set up with surprisingly short installation and commissioning times thanks to compact dimensions of only 30 x 30 mm.

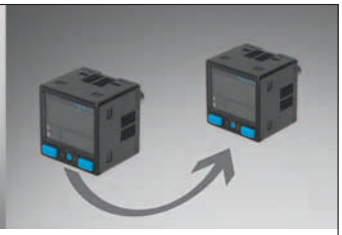
Diversity in action
Thanks to a great variety of configuration options:
- NPN or PNP switching outputs
- Analogue voltage output
- Country-specific pressure connection in NPT, RPT and G formats
- Electrical connection: M8 or cable
- Wall or panel mounting

Conspicuously clear-cut
With its clear-cut switching status display, the SPAB reliably indicates system status. Its two-part, three colour display assures straightforward menu navigation and read-outs.

Quick copying
After one device has been programmed, settings can be transferred to all other SPAB pressure sensors.

Only 30 x 30 mm


Clear-cut and straightforward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Product Short Information

Compact pressure sensor SPAB

Type codes

SPAB – P10R – G18 – 2P – K1

Function	
SPAB	Compact pressure sensor with display

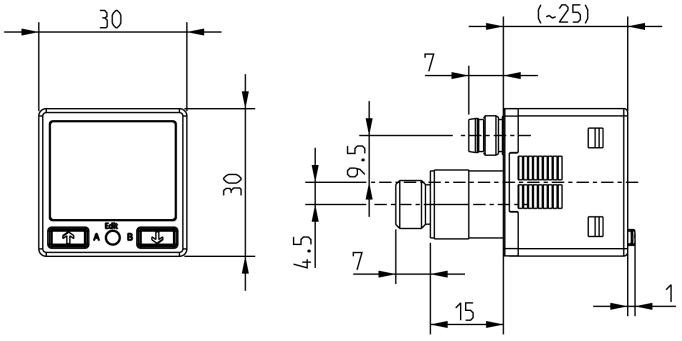
Pressure measuring range	
B2	-1 to 1 bar
P10	0 to 10 bar

Measured variables	
R	Relative pressure

Pneumatic connection	
G18	M5 internal and G1/8" external thread
R18	M5 internal and RPT external thread
N18	M5 internal and NPT external thread

Electrical output	
2P	2 switching outputs, PNP
2N	2 switching outputs, NPN
PB	1 switching output, PNP, and 1 to 5 V analogue
NB	1 switching output, NPN, and 1 to 5 V analogue

Electrical connection	
K1	Cable, 2.5 m long
M8	M8x1 plug



Technical data		
Design	...-B2-...	...-P10-...
Pressure meas. range [bar]	-1 to +1	0 to 10
Measured quantity	Relative pressure	
Pneumatic connections	M5 internal, G1/8" external M5 internal, RPT 1/8 external M5 internal, NPT 1/8 external	
Display	3-colour LCD	
Accuracy FS	1 %	2%

Electrical data	
Switching outputs	2 x PNP; 2 x NPN
Analogue output	1 to 5 V
Operating voltage range	12 to 24 V DC
Electrical connection	M8x1 plug; Cable, 2.5 m long

Operating and ambient conditions	
Operating medium	Filtered compressed air, lubricated or unlubricated, degree of filtering: 40 µm
Operating temperature range	0 to 50° C
Protection class	IP 40
Approval	c UL us recognised (OL); C-Tick

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