

Pressure Sensors Air

Absolute Pressure Sensor PS-10

Pressure range: 10 x 0,2 ... 1,15 bar nominal

The pressure box is designed for measuring air pressure and specially modified for motorsport use. With its 10 analogous outputs it can take 10 measurements simultaneously.



Mechanical data	
Measurement transducer	piezoresistive
Pressure range	10 x 0,2 ... 1,15 bar nominal
Max. pressure	10 bar nominal
Weight	185 g
Dimensions	110 x 87 x 47 mm
Sensor connector	3 mm

Conditions for use	
Temperature range	-40 ... 125°C
Max. vibration	15 g /30 ... 200 Hz

Characteristic	
Sensitivity	4470 mV/bar
Offset	-490 mV
Sensitivity and offset will be delivered with each sensor	

Electronic data	
Power supply	12 V
Compensated range	20 ... 85°C
Non linearity	1,00 %
Therm. zero point drift	< 1,00 %
Therm. sensitivity drift	< 1,00 %
Long time drift	< 1,00 %
Full scale output	0,4 ... 4,65 V
Time of reaction	1 ms (90 %)

Part number	
AS 0-10-35PN	B 261 206 865
Offer drawing	A 261 206 865

