

Pressure Gauge

PGS21 with contact switch

standard design

E 02.50.01

SWITCHGauge

ed.20.01

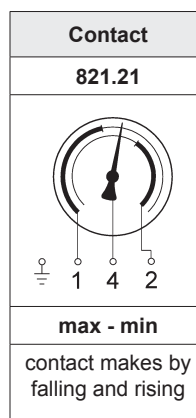
Design	Industrial pressure gauge with electrical contact switch. Suitable for media that will not obstruct the pressure system or attack copper alloy parts.
Design	DIN 16085
Serie	PGS21
Case diameter	Dim 100 mm
Accuracy	Class 1,0%
Case	Stock finish stainless steel
Window	Instrument glass
Pressure element	Copper alloy
Dial	Aluminium, white with black lettering
Pressure unit	Bar
Pressure connection	G 3/8" male
Weather Protection	IP 54 EN 60529/IEC 529
Pressure limitation	Full scale value by steady pressure 90% of full scale value by fluctuating pressure By short time pressure 1,3 x of full scale value
Permissible temperature	Medium temperature max -20 till +80°C Ambient temperature max -20 till +60° C
Contact type 821	Magnetic snap action switch Voltage max 250 V, maximum load 30W, 50 VA Two electrical contact mounted in the case The contacts can optionally be set all over the scale Max- and/or minfunction type 821.21 Contact makes by falling and rising pressure
Electrical connection	1 meter cable



Code no för standard

Pressure gauge type PGS21 with connection G3/8"
With electrical contact type 821.21
1 meter cable

Pressure range	Case 100 mm
0-4 bar	20407006
0-6 bar	20407007
0-10 bar	20407008
0-16 bar	20407011



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Permissible temperature

Medium temperature max -20 till +80°C
Ambient temperature max -20 till +60°C

Max permissible error 1,0%

The accuracy is expressed as a percentage of full scale range.
Permissible error 1,0% will cover 0% till 100% of scale range with a reference temperature of +20°C.
Ex. Pressure range 0-10 bar has an error of $\pm 0,1$ bar

Pressure limitation

Full scale value by steady pressure
90% of full scale value by fluctuating pressure
By short time pressure 1,3 x of full scale value

Temperature effect

Temperature of the measuring system over or under the reference temperature +20°C will effect the accuracy with 0,4 percentage per +10°C. With a medium temperature of +40°C the accuracy will be $\pm 1,8\%$.

