



PRESSURE MEASUREMENT

Digital Gauge

Type SAG601: Digital Pressure Gauge

Service Intended

High accuracy digital gauge, suitable for media such as air, water, oil & gases that do not attack stainless steel parts or will obstruct the pressure system. Typical applications will be in the general industrial, petroleum, chemical and laboratory industry.

Features

Low power consumption, 1 year continuously.
 Pressure bar graph providing quick visual indication of pressure output.
 Zero and full scale calibration function.
 Overload alarm function
 CE and EX approved

Case & Bezel Details

Nominal Dia: 94mm x 40mm deep
 Material: Rugged aluminium alloy, coated.

Pressure Connections

Material: Stainless steel 316
 Sizes: 1/2" BSP Standard (other on request)

Technical Specifications

Accuracy: +/- 0.05% Full Scale
 Pressure Range: As per standard ranges in chart
 Display units: pa, kPa, MPa, mbar, bar, psi, kgf/cm², mmH₂O and mmHg
 Display: 5 digit LCD with backlight function, 14mm character height
 Temperature Compensation: 0+50 °C
 Temperature Stability: 0.02% FS/°C
 Operational Spec: Ambient Temp 0+50 °C
 Medium Temp 0+70 °C
 Relative Humidity: 0-85% non-condensing
 Burst Pressure: 2 x FS
 Over Pressure: 1.7x FS@<35MPa, 1.5x FS@>35MPa
 Wetted Parts: Stainless Steel 316
 Power: 1pc disposable 3.6V dc lithium battery
 Weight: 0.5kg

Optional Extras

Calibration Certificate
 Diaphragm Seals fitted



STANDARD PRESSURE RANGES

Range	Accuracy (% FS)	Resolution	Range	Accuracy (% FS)	Resolution
Pressure			Vacuum		
0/40 kPa	0.05	0.001	-100/0 kPa	0.05	0.1
0/60 kPa	0.05	0.001			
0/100 kPa	0.05	0.01	Compound		
0/160 kPa	0.05	0.01	-2.5+2.5 kPa	0.05	0.001
0/250 kPa	0.05	0.01	-5+5 kPa	0.05	0.001
0/400 kPa	0.05	0.01	-10+10 kPa	0.05	0.001
0/600 kPa	0.05	0.01	-25+25 kPa	0.05	0.001
0/800 kPa	0.05	0.1	-100+100 kPa	0.05	0.001
0/1000 kPa	0.05	0.1	-100+600 kPa	0.05	0.001
0/1600 kPa	0.05	0.1	-100+1000 kPa	0.05	0.001
0/2500 kPa	0.05	0.1	-100+2500 kPa	0.05	0.001
0/4000 kPa	0.05	0.1			
0/6 MPa	0.05	0.1			
0/10 MPa	0.05	1.0			
0/16 MPa	0.05	1.0			
0/25 MPa	0.05	1.0			
0/40 MPa	0.05	1.0			
0/60 MPa	0.05	1.0			
0/70 MPa		1.0			

Customized and other scales such as bar / psi / inHG etc. are available on request