



## 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/cm<sup>2</sup>, mmH<sub>2</sub>O 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
<b>Pressure</b>			<b>Vacuum</b>		
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	<b>Compound</b>		
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