

# Pressure Gauge

The Pressure Gauge is a versatile instrument designed for a variety of applications, including general purposes, petrol, mining, and industrial use. Its robust construction ensures reliable performance and accuracy.



## HIGHLIGHTS

- **Connection Size:** 1/4" Male Threaded BSP/NPT for easy installation.
- **Accuracy:** Class  $\pm 2.0\%$  for reliable readings.
- **Double Pressure Measurement Scale:** Available to suit your specific needs, allowing for simultaneous pressure monitoring in two units (Bar, PSI, kg/cm<sup>2</sup>).
- **Warranty:** 12 Months for peace of mind.
- **Material Options:** Available in standard versions (50mm and 63mm) and glycerin -filled versions for enhanced dampening.
- **Pressure recording:** To record Pressure Peaks. (Double needle pressure gauges also available).
- **Operating Temperature Range:** Suitable for ambient temperatures from -20°C to +65°C.
- **Over Pressure Limit:** Safe handling of pressures up to 125% of the max scale value for reliable operation.
- **Customizable Dial:** Dial color and customer logo can be tailored to requirements.
- **Durable Construction:** Built with engineering plastic or MS/SS coatings for longevity.

## APPLICATIONS

- This pressure gauge is perfect for monitoring pressure peaks in various settings, ensuring optimal performance and safety in high-pressure systems across multiple industries.



## Technical Data

Description	Technical Specifications			
Model No.	AQ-305	AQ-310	AQ-315	AQ-320
Standard Version	50mm	63mm	63mm	63mm
Glycerine Filled Version	Not Filled	Not Filled	Filled	Filled
Accuracy	± 2% of F.S. (For NS 50mm)	± 2% of F.S. (For NS 63mm)	± 2% of F.S. (For NS 63mm)	± 2% of F.S. (For NS 63mm)
Ambient Temperature	-20°C to +65°C	-20°C to +65°C	-20°C to +65°C	-20°C to +65°C
Process Temperature	Max. +65°C	Max. +65°C	Max. +65°C	Max. +65°C
Dampening Liquids	N.A.	N.A.	Glycerine 99.7%	Glycerine 99.7%
Operating Pressure Range	75% of Scale Value	75% of Scale Value	75% of Scale Value	75% of Scale Value
Over Pressure Limit				
< 100 Bar	25% of Max. Scale Valve	25% of Max. Scale Valve	125% of Max. Scale Valve	125% of Max. Scale Valve
> 100 to < 600 Bar	N.A.	15% of Max. Scale Valve	115% of Max. Scale Valve	115% of Max. Scale Valve
> 600 to < 600 Bar	N.A.	10% of Max. Scale Valve	110% of Max. Scale Valve	110% of Max. Scale Valve
Case & Bezel	Engineering Plastic (Push Fit Type)	MS Coated (Push Fit Type)	MS Coated (Push Fit Type)	SS-304 (Push Fit Type)
Socket	Copper Alloy			
Bourdon	Copper Alloy			
Movement	Copper Alloy			
Joints	Alloy Brazing/ Soldering			
Dial	Plastic, Black Graduation on White Background	Aluminium, Black Graduation on White Background	Aluminium, Black Graduation on White Background	Aluminium, Black Graduation on White Background
Pointer	Black Coloured, Fixed	Black Coloured, Fixed	Black Coloured, Fixed	Black Coloured, Fixed
Window	Acrylic Plastic	Steel Glass	Steel Glass	Flexi Glass
Standard Pressure Range	0 - 7 kg/cm <sup>2</sup>			
Available Pressure Range	0 - 4, 0 - 6, 0 - 10, 0 - 16 Bar, PSI, kg/cm <sup>2</sup>			
Double measurement Scale	Bar, PSI & kg/cm <sup>2</sup> (Any two as per requirement)			

