

Pressure Gauge Troubleshooting Guide

Symptoms · causes · fixes — by MANOGAUGE

Common pressure gauge problems, likely causes and fixes.

Symptom	Likely Cause	Fix
Pointer does not move	Closed valve / blocked port / damaged movement	Open valve, clear port, replace gauge
Pointer stuck or sluggish	Dirt, bent pointer, jammed movement	Clean; replace if internal damage
Pointer fluctuates / vibrates	Pulsation or vibration	Add snubber/siphon; use liquid-filled gauge
Reads high or low	Calibration drift / overpressure damage	Recalibrate or replace
Will not return to zero	Overpressure / worn movement	Replace gauge
Fogging inside window	Seal leak / condensation	Replace; use liquid-filled for damp/temp swings
Fill fluid leaking	Damaged seal / gasket / case	Replace gauge
Cracked window / bent pointer	Impact or overpressure	Replace; check system pressure spikes

Prevention

- Size the range so working pressure sits at ~2/3 scale; avoid overpressure spikes.
- Use liquid-filled gauges + snubbers on compressors, pumps and hydraulics.
- Use 316L / diaphragm seals for corrosive media; siphons for steam.

Recurrent failures usually mean the wrong gauge for the duty. MANOGAUGE can recommend the right type — www.manogauge.com.

About MANOGAUGE

MANOGAUGE (Zhejiang Xinzhongxin Instrument Technology Co., Ltd.) — a National High-Tech pressure gauge manufacturer in China: stainless steel, liquid-filled, digital, diaphragm, tire, medical and explosion-proof gauges, with CE/PED/ATEX/FDA and OEM/ODM service. More & quotes: www.manogauge.com | sales@manogauge.com. Free to share or cite — please keep the source link to www.manogauge.com.