

Pressure Measurement Solutions

Total Capability for a World of Pressure

GE applies technological innovation and application focus to the diverse and demanding world of pressure. GE manufactures a comprehensive line of pressure sensors, instruments and systems and related test and calibration instruments for a wide range of applications.

The addition of Ruska, Druck and Pressurements products has increased the range of primary and secondary standards to be the most comprehensive available.

With a wide range of solutions extending from sensors to indicators, portable to process calibrators, and fully automated test equipment to National Standard accuracy laboratory references, GE Sensing & Inspection Technologies can offer a complete solution for precise pressure measurement and calibration.

- Laboratory piston gauges
- Digital pressure controllers/calibrators
- Deadweight testers
- Indicators, calibrators and controllers
- Portable pressure calibrators
- Portable process calibrators
- Transmitters/transducers
- Air data test sets



Druck, Pressurements and Ruska pressure products



Laboratory Piston Gauges

- Total uncertainty to 10 ppm
- Hydraulic and pneumatic models
- Ranges from 0.2 through 72,500 psi (14 mbar to 5000 bar)
- Autofloat or manually operated systems
- Winprompt calibration software



Digital Pressure Controllers

- Precision to 0.005% of reading and multiple ranges
- Ranges from 10 inH₂O to 40,000 psi (25 mbar to 2750 bar)
- Hydraulic and pneumatic models
- Dual channel model with simultaneous output available



Deadweight Testers

- Accuracies from 0.008% to 0.02% of reading
- Ranges from -30 inHg through 60,000 psi (-1 bar to 4000 bar)
- Hydraulic, pneumatic, vacuum and pressure models
- Digital pressure calibrators, hand pumps and pressure comparison pumps



Indicators, Calibrators and Controllers

- Accuracies from 0.01% full scale
- Ranges from -30 inHg to 10,000 psi (-1 bar to 700 bar)
- Gauge, absolute and differential models
- Manual and automatic control



Portable Pressure Calibrators

- Accuracies from 0.01% full scale
- Ranges from -30 inHg to 15,000 psi (-1 bar to 1000 bar)
- Gauge, absolute and differential models
- Built-in pressure and vacuum generation
- Database calibration software



Portable Process Calibrators

- Measure and source RTDs, thermocouples, V, mA, mV, frequency and pressure
- Switch test, leak test and data storage capabilities
- Database calibration software



Transmitters/Transducers

- Ranges from 0.04 inH₂O through 10,000 psi (0.1 mbar to 700 bar)
- Accuracies from 0.04% through 0.25% full scale
- OEM, industrial and depth level versions
- Class I, Div. I intrinsically safe and explosion-proof versions
- NACE-compatible wetted parts



Air Data Test Sets

- High accuracy, RVSM compliant
- Flight line, rack mount and bench top/laboratory versions
- Civil and military specifications
- Fully programmable for aircraft type



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