



Bench-top pressure comparison calibrators are precision instruments designed to test, calibrate, and verify the accuracy of pressure measurement devices, such as pressure gauges, transducers, transmitters, and sensors. These calibrators are widely used in industries where precise pressure measurements are critical, such as aerospace, oil and gas, manufacturing, pharmaceuticals, and energy production

Key Features and Benefits



1. **High Accuracy and Stability:** Bench-top calibrators provide exceptional accuracy and repeatability, ensuring reliable performance across various pressure ranges.
2. **Wide Pressure Range:** These instruments support a broad spectrum of pressure levels, from vacuum to high-pressure applications, catering to diverse industrial needs.
3. **Ease of Use:** With user-friendly interfaces and automated control options, they simplify the calibration process, reducing operator errors.
4. **Multiple Functions:** In addition to pressure generation, many models offer data logging, pressure comparison, and automated calibration capabilities.
5. **Traceability:** Bench-top calibrators are designed to meet international standards, ensuring traceability to national or international metrology institutes.

Applications

- **Routine Calibration:** Ensuring instruments comply with operational standards.
- **Quality Assurance:** Verifying accuracy during production processes.
- **Research and Development:** Supporting precise pressure measurements in experimental setups.
- **Maintenance:** Detecting and correcting discrepancies in pressure systems.

A bench-top pressure comparison calibrator is a vital tool for maintaining the integrity and accuracy of pressure-dependent systems, making it indispensable in environments that demand precise measurement and control.

Model	Ranges	Type
JI-CP-1-30	-1 to 30 Bar	Compressor Required
JI-CP-40	0 to 40 Bar	Pneumatic
JI-CP-100	0 to 100 Bar	Hydraulic
JI-CP-400	0 to 400 Bar	Hydraulic
JI-CP-700	0 to 700 Bar	Hydraulic
JI-CP-1000	0 to 1000 Bar	Hydraulic
JI-CP-2000	0 to 2000 Bar	Hydraulic
JI-CP-2500	0 to 2500 Bar	Hydraulic

Note: Master gauges to be bought separately