

Portable Low Pressure Calibrators

Setting the standard for low pressure calibrators

The Druck Portable Low Pressure Calibrator series extends the general unit pressure capability down to 1 in. H₂O. The LP series combines the easy-to-use Task menu and electrical measure/source capability of the successful LP series with the low-pressure sensor. This makes the low pressure series an ideal calibrator for commissioning, maintaining and calibrating low-pressure transmitters, transducers, gauges, indicators and switches.

At low differential pressures, even connecting the device under test can induce significant pressure. To compensate for this, an "auto zero" facility is provided, which uses an internal solenoid valve to equalize the differential pressure prior to zero correction

Applications

The unit is the ideal reference standard to reduce instrument maintenance time and errors for quality systems compliance.

Dedicated tasks for transmitters, transducers, gauges, micromanometers and switches, simplify commissioning, maintenance and calibration.

The unit is designed to calibrate-in-place for very low-pressure sensors.

- Ranges from ±1 to ±60 in. H₂O
- Accuracy 0.05% span
- Pressure and vacuum generation
- Automatic zero equalization and system venting
- RS-232 interface and documenting version

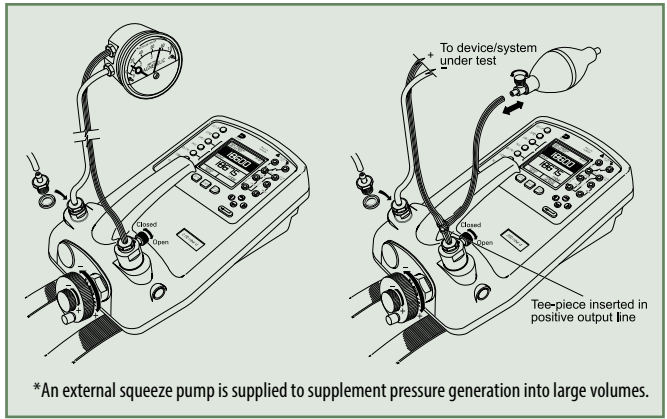


68984-56

68984-60

SPECIFICATIONS			
Pressure range in. H ₂ O	Accuracy % span	Max line pressure	Max differential pressure
±1.0 in. H ₂ O differential	0.05	70 psi	40 in. H ₂ O
±5.0 in. H ₂ O differential	0.05	300 psi	200 in. H ₂ O
±10.0 in. H ₂ O differential	0.05	300 psi	200 in. H ₂ O
±20.0 in. H ₂ O differential	0.05	300 psi	400 in. H ₂ O
±30.0 in. H ₂ O differential	0.05	300 psi	400 in. H ₂ O
±60.0 in. H ₂ O differential	0.05	300 psi	400 in. H ₂ O

Note: Accuracy is defined as non-linearity, hysteresis and repeatability. Temperature effects (averaged with respect to 68°F) ±0.004% rdg/°F. Calibrator pressure ports - 2 x 1/8" NPT(F) with 1/8" ID tube adapters. Pressure media - noncorrosive gases



What's included: Test leads, user's guide, carrying case, six 1.5V C batteries, rechargeable battery pack, battery charger, and NIST-traceable calibration report supplied by manufacturer.

Catalog No.	Model No.	Description
TS-68984-56	DPI 610-LP	Low pressure portable digital calibrator; specify range: ±1, ±5, ±10, ±20, ±30, and ±60 in. H ₂ O
TS-68984-60	DPI 615-LP	Low pressure portable digital documenting calibrator; specify range: ±1, ±5, ±10, ±20, ±30, and ±60 in. H ₂ O
Accessories		
TS-68462-51	IA2405-06-I-V0	Mating cable for remote sensor
TS-68462-26	IDT-600-2	Dirt moisture trap
TS-16112-70	781-016B	Intecal basic software
TS-68462-31	860-116	Spare carrying case
TS-68462-29	191-126	NiCd battery pack
TS-68462-30	191-129	Universal charger for 110/220 V
TS-68462-52	LPE 9400	Remote pressure sensor
TS-09386-02	—	Replacement batteries, C. 4/pk
TS-17111-82	—	NIST-traceable recalibration with data