

Precision Pneumatic Calibration System with Integral Electric Pump

High-precision pressure calibrator also measures or sources voltage and current

The DPC-300A portable pneumatic calibrator offers you the flexibility of using plant air or internally generated air pressure to calibrate pressure gauges, controllers, transmitters, valve actuators, switches, and other devices to high precision. Exact pressure values are set using a fine vernier control knob. Plant pressure can be regulated to calibrate instruments up to 100 psi. Calibrations to 300 psi are possible using the integral electric pump.

new

Additional features include a 24 VDC power supply that allows for loop calibration, a NiMH battery pack that provides up to 50 hours or 125 cycles of pumping to 300 psi, and a ClearBrite® LCD with three-key function menu for easy operation.

- Dual pressure system uses regulated plant air or integral electric pump
- Source pressure to 100 psi using regulated plant air or 300 psi using the integral electric pump
- Pressure accuracy to ±0.025% full-scale
- Built-in loop calibrator function
- Time-saving features include switch test, percent (%) error, and programmable setup screens
- Housed in a rugged IP67-rated case
- External pressure module connection supports all BetaPort-P pressure ranges
- Rechargeable NiMH battery pack provides 50 hours of continuous use



16117-05

SPECIFICATIONS		
Function	Range	Accuracy
Pressure (internal pump)	-12 to 300 psi (-0.8 to 20 bar)	±0.035% of reading ± 0.01% FS
Pressure (external air)	0 to 100 psi (0 to 7 bar)	
Voltage measurement	0 to 30.000 VDC	±0.015% of reading ± 0.002 V
Current measurement	0 to 24.000 mA	±0.015% of reading ± 0.002 mA
Operating conditions	14 to 122°F (-10 to 50°C), 10 to 95% RH noncondensing	
Connections	1/8" NPT, BetaPort-P pressure module jack, power jack	
Dimensions (W x H x D)	15 1/4" x 12" x 7" (387 x 305 x 178 mm)	
Power / battery life	9-cell NiMH rechargeable battery, 3700 mAh at 10.8 VDC	

What's included: Test leads, hose kit, hard carrying case, NiMH battery pack, charger/AC adapter, and NIST-traceable calibration supplied by manufacturer.

Catalog No.	Model No.	Description
TS-16117-05	DPC-300A	Dual-pressure-system pneumatic calibrator
Accessories		
TS-17050-12	—	NIST-traceable recalibration with data

Squeeze-Bulb Pressure Calibrators

Quick and easy connection to unit under test

Test the output or differential pressure (flow) readings of a pneumatic instrument with one hand, allowing the other hand to make calibration adjustments on the instrument being tested. These lightweight pneumatic calibrators feature a sphygmomanometer-type gauge with squeeze bulb and a precision-machined, hand-adjusted valve to relieve the calibrating pressure. Easy-to-read, 1 3/4" (44 mm) diameter gauge offers 1% accuracy.



68454-74

Catalog No.	Model No.	Description
TS-68464-74	44S369	0 to 160" H ₂ O calibrator
TS-68464-75	44S390	0 to 18 psig calibrator
Accessories		
TS-17050-10	—	NIST-traceable calibration with data

- Applications**
- Pneumatic controllers
 - Low pressure gauges
 - Pneumatic transmitters
 - Flow transmitters