

T-140

is designed to give technicians laboratory-grade accuracy in a rugged, easy-to-use instrument.

The T-140 Pressure Calibrator is available in several ranges; 10" H₂O, 200" H₂O, and 30, 100, 300, and 3,000 psi. Operation of this calibrator is made easy through the use of a sealed membrane keypad with simple controls. When combined with a Martel MECP 100, MECP 500, or MECP 10K Hand Pump, the T-140 Kit makes a great package to handle your pneumatic calibration requirements.

General Features

- High accuracy gauge and differential capability
- Rugged, dust tight, water-resistant case
- Isolated SS sensors on 300 psi and 3,000 psi units
- Easy to read Super-Twist LCD
- Intuitive controls make operation easy, even for infrequent users
- Powered by a common 9 Volt alkaline battery
- Supplied in neoprene sleeve; optional carrying case available



Specifications (18 °C to 28 °C unless otherwise noted)

Ranges	-14 to 30 PSIG/PSID -14 to 100 PSIG/PSID -14 to 300 PSIG -14 to 3,000 PSIG ± 10" H ₂ O ± 200" H ₂ O
Accuracy	± 10" H ₂ O ± 0.1% of F.S. ± 200" H ₂ O ± 0.05% of F.S. 30 PSI ± 0.05% of F.S. 100 PSI ± 0.05% of F.S. 300 PSI ± 0.05% of F.S. 3,000 PSI ± 0.05% of F.S.
Resolution	± 10" H ₂ O 0.001" H ₂ O ± 200" H ₂ O 0.01" H ₂ O 30 PSI 0.001 PSI 100 PSI 0.01 PSI 300 PSI 0.01 PSI 3,000 PSI 0.1 PSI
Engineering Units	PSI, in H ₂ O, cmH ₂ O, mH ₂ O, FtH ₂ O, mBAR, BAR, inHg, mmHg, cmHg, kg/cm ² , TORR, ATM, KPa
Temperature Stability	±0.01% / FS/°C; 0°C to 18°C, and 28°C to 50°C
Maximum Overpressure	Ranges ≥ 100 PSI 2x Ranges ≤ 30 PSI 3x
Ports	See table at right (all 1/8" female NPT)
Media	30/100 PSI, 10" H ₂ O Clean Dry Air or Gas only 200" H ₂ O Clean Dry Air or Gas only 300/3,000 PSI All media compatible with 316 SS
Environmental	Operating Temperature 0°C to +50°C Storage Temperature -20°C to +60°C
Power Requirements	Battery (1) 9V alkaline battery,
Mechanical	Dimensions 5.7" H x 3.5" W x 1.43" D Weight 14 ounces (396 gms.)

BetaGauge 330 Ordering Information

Part Number	Description	Ports
1919399	T-140 -10...10" WC (-25...25 mbar)	2 (High/Low)
19C1990	T-140 -200...200" WC (-500...500 mbar)	2 (High/Low)
19C1979	T-140 -15...30 psi (-1...2 bar)	2 (High/Low)
19C1982	T-140 -12...100 psi (-0.8...7 bar)	2 (High/Low)
1919056	T-140 -12...300 psi (-0.8...20 bar)	1
1919037	T-140 0...3000 psi (0...200 bar)	1
All units above include		
• Batteries		
• Test leads		
• NIST traceable calibration certificate		
• User guide		
• Soft sided carrying case		
Kits with test pumps		
19C1990	T-140 200" WC	MECP100 pneumatic test pump
1919001	T-140 30 psi	MECP100 pneumatic test pump
1919002	T-140 100 psi	MECP100 pneumatic test pump
1919096	T-140 300 psi	MECP500 pneumatic test pump
1919098	T-140 3000 psi	MECP10K hydraulic test pump
All kits include		
• Calibrator as above		
• Hard sided carrying case		
• Test pump as noted		
• Fittings and test hose appropriate to range		