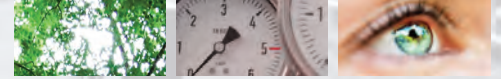


T-140

Pressure Calibrator/Manometer



Accuracy by any
measure

The T-140 Pressure Calibrator/Manometer is designed to give the technician laboratory-grade accuracy in a rugged, easy-to-use instrument. The T-140 is available in several ranges — 10" H₂O, 200" H₂O, and 30, 100, 300, and 3,000 PSI. Operation of these calibrators is made easy through the use of a sealed membrane keypad with simple controls. When combined with a Martel Hand Pump, the T-140 Kit makes a great package to handle your pneumatic calibration requirements.

Features

- High accuracy gauge or 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 full rubber boot

SPECIFICATIONS

RANGES	
Available Pressure PSIG:	-14 to 30 PSIG/PSID
	-14 to 100 PSIG/PSID
	-14 to 300 PSIG
	-14 to 3000 PSIG
	±10" H2O ±200" H2O (0-7 PSI)
ACCURACY (18 °C TO 28 °C)	
±10" H2O	±0.1% of FS
±200" H2O	±0.05% of FS
30 PSI	±0.05% of FS
100 PSI	±0.05% of FS
300 PSI	±0.05% of Rdg ± 2 LSD
3,000 PSI	±0.05% of Rdg ± 2 LSD
RESOLUTION	
±10" H2O	0.001" H2O
±200" H2O	0.01" H2O
30 PSI	0.001 PSI
100 PSI and 300 PSI	0.01 PSI
3,000 PSI	0.1 PSI
ENGINEERING UNITS	
	PSI, inH2O, cmH2O, mH2O, FtH2O, mBAR, BAR, inHg, mmHg, cmHg, kPa, kg/cm2, TORR, ATM
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	
	Two 1/8" FNPT
MEDIA	
30/100 PSI, 10" H2O,	non-corrosive gas or
200" H2O	liquids
300/3,000 PSI	all media
ENVIRONMENTAL	
Operating Temperature	0 °C to +50 °C
Storage Temperature	-20 °C to +60 °C
Power Requirements	9VDC
Battery	1, 9V alkaline battery; 006P/ IEC 6F22/NEDA1604
MECHANICAL	
Dimensions (without boot)	144.7 H x 80.0 W x 36.3 D mm
Weight	396 gms.

Ordering information

ORDER NO.	Description and Range
T-140-10"	Pressure Calibrator/Manometer; ±10" H2O
T-140-200"	Pressure Calibrator/Manometer; ±200" H2O
T-140-30	Pressure Calibrator/Manometer; -14 to 30 PSI
T-140-100	Pressure Calibrator/Manometer; -14 to 100 PSI
T-140-300	Pressure Calibrator/Manometer; -14 to 300 PSI
T-140-3000	Pressure Calibrator/Manometer; -14 to 3000 PSI
MECP-100	Hand Pump; -12 to 100 PSI
MECP-500	Hand Pump; -12 to 600 PSI
MECP-10K	Hand Pump; 0 to 10,000 PSI (optional pressure relief valve recommended)
T-140-XK	Pressure Kit

Kit contains T-140 Calibrator, Hand Pump for selected range, fittings and connectors, rugged carrying case, test leads, 9V battery, and traceable certificate. Replace X with Calibrator/Manometer Range as shown above (i.e. 300 for 300 PSI).

MECP-100 Hand Pump

The MECP-100 Hand Pump is a simple to use pressure and vacuum source for calibrating process control instrumentation. An optional in-line filter is available for applications where contaminants may enter the pump.



MECP-100



MECP-500



MECP-10K



0822

All devices can be supplied with a UKAS accredited calibration certificate from our laboratory.



Chamois Metrology Limited

Unit 8 The Centre, Holywell Business Park, Northfield Road, Southam, Warwickshire CV47 0FP
Tel +44 (0)1926 812066 Fax +44 (0)1926 813569 e: info@chamois.net www.chamois.net