



The Tuff-Tools line of calibrators is designed to give the technician laboratory grade accuracy in a family of rugged, easy to use instruments.

The T140 Pressure Calibrator is available in several ranges (200" H₂O, 30 PSI, 100 PSI, 300 and 3000 PSI).

Operation of these calibrators is made easy through the use of a sealed membrane keypad with simple controls. When combined with our MECP100 Hand Pump, the T140 Kit makes a great package to handle your pneumatic calibration requirements.



T140K Pressure Kit

Kit includes: T140 Calibrator, MECP100 Pump, fitting and connectors, rugged carrying case, test leads, 9V battery, instruction manual, and NIST Certificate

Kit not available for the T140-3000

T140

Pressure Calibrator/Manometer

Specifications

(specify 30, 100, 300, 3000 PSI or 200" when ordering)

Ranges:	-14.00 to 30.00 PSIG/PSID or -14.0 to 100.0 PSIG/PSID or -14.0 to 300.0 PSIG/PSID or -14.0 to 3000 PSIG/PSID or ±200" H ₂ O	
Resolution:	30 PSI .001 PSI 100 PSI .01 PSI 300 PSI .01 PSI 3000 PSI 0.1 PSI 200" 0.01 inH ₂ O	
Accuracy¹		
30/100PSI:	±0.05% F.S. ±1 LSD -5 PSI to Full Scale	
300/3000PSI:	±.05% of Reading ±2 LSD Note: for vacuum accuracy is 0.1% of F.S. ±1 LSD	
200":	±0.1% F.S. ±1 LSD	
Operating Temp.:	0 to 50°C	
Storage Temp.:	-20 to 60°C	
Temp. Stability²:	0.01% F.S./°C	
MAX Overpressure:	2x	
Ports:	Two 1/8" FNPT	
Media:	30 PSI 100 PSI 200" 300 PSI 3000 PSI	Non-corrosive Gas or Liquids All Media
Engineering Units:	PSI, in H ₂ O, cm H ₂ O, mm H ₂ O, BAR, mm Hg, kPa and kg/cm ²	
Key Features:	Zero, Min/Max, Clear, Damp & Hold	
Weight:	14 oz.	

NOTE 1: 18°C to 28°C

NOTE 2: 0 to 18°C and 28°C to 50°C



MECP100 Hand Pump

- Pressure and Vacuum in the Same Unit
- -12 PSI to 100 PSI Range
- Compact and Lightweight

MODEL NO.	DESCRIPTION
T140	Pressure Calibrator/Manometer
T140K	Pressure Kit
MECP300	Hand Pump
MECP3000	Hand Pump
MECP100	Hand Pump
MECP100-F	Replaceable Filter

- High Accuracy gauge or differential capability
- Rugged, dust tight, water resistant case
- Isolated SS sensors on 300 PSI and 3000 PSI units
- Easy to read Super-Twist LCD
- Intuitive controls make operation easy even for infrequent users
- Powered by a common 9 volt battery

Each unit includes: Carrying case, test leads, 9V battery, instruction manual, and NIST Certificate



MECP3000 Hand Pump

- 0 to 3000 PSI Range
- Smooth and Easy Hydraulic Operation Using WATER
- Compact and Lightweight



MECP300 Hand Pump

- Pressure and Vacuum in the Same Unit
- -12 to 300 PSI Range
- Smooth and Easy Pneumatic Operation
- Compact and Lightweight