



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" H<sub>2</sub>O, 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)

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