



The Value Leader™

TPI Tuffman™ Digital Manometers

**New! TPI
Tuffman™
Series.**

**Fast,
Accurate,
and Built
to Last!**

- Rugged Extruded Aluminum Housing
- Measure positive and differential pressure.
- Push button zero for altitude correction.
- Seven selectable units of measure to choose from: mmHg, inHg, kPa, mBar, PSI, inH₂O, and mmH₂O.
- Easy-to-read LCD.
- Backlight with auto shut off after 10 seconds.
- Auto shut off after 30 minutes (except REC mode) to save battery life.
- Record function stores maximum and minimum readings.
- Data hold to freeze reading on LCD.



SPECIFICATIONS

	635	645	655
Auto Range	5 PSI	30 PSI	100 PSI
Accuracy	±0.2% of full scale +3 digits	±0.2% of full scale +3 digits	±0.2% of full scale +3 digits
Resolution	0.0001 PSI	0.001 PSI	0.01 PSI
Over Pressure	14.5 psi (1000 mBar)	58.0 psi (4000 mBar)	145 psi (10 Bar)
Vacuum	5 psi (limited to -5 psi or -10 inHg)	-14.5 psi or -29.53 inHg	-14.5 psi or -29.53 inHg
Power Supply	9V	9V	9V
Relative Humidity	0% to 80% (0° to +40° C)	0% to 80% (0° to +40° C)	0% to 80% (0° to +40° C)
Operating Temp	32° to 104°F (0° to +40° C)	32° to 104°F (0° to +40° C)	32° to 104°F (0° to +40° C)
Storage Temp	14° to 122°F (-10° to +50° C)	14° to 122°F (-10° to +50° C)	14° to 122°F (-10° to +50° C)
Auto Power Off	After 30 minutes	After 30 minutes	After 30 minutes
Input Type	Differential	Differential	Differential
Trim Mode	Yes	Yes	Yes
Zero Adjust	Yes	Yes	Yes
Record Max/Min	Yes	Yes	Yes
Units of Measure*	7	7	7
Data Hold	Yes	Yes	Yes

*Seven units of measure to choose from: mmHg, inHg, kPa, mBar, PSI, inH₂O, and mmH₂O.

APPLICATIONS

- Check for proper pressure in pneumatic systems.
- Check supply gas pressures (Utilities).
- Check for proper pressures in clean rooms.
- Industrial HVAC systems.
- Check operation of industrial pressure switches.

ACCESSORIES



Use the A901 Carrying Case to keep your instruments organized. The A901 is constructed of durable canvas fabric, and includes a shoulder strap, moveable partitions, and sturdy zipper closure.

FAQ

Can I measure in multiple units?

Yes, all three models measure seven units: mmHg, inHg, kPa, mBar, PSI, inH₂O, and mmH₂O.

How do I stabilize a reading that jumps around?

Pressing the trim or smooth button will give you an average.



The Value Leader™

**Fast,
Accurate,
and
Affordable.**

**With seven
different
models to
offer, TPI is
your source
for Digital
Pressure
Meters!**

**(Turn me over to
see the new
Tuffman™ Series.)**

Digital Manometers

Experience faster, more accurate measurements with TPI manometers.

Experienced Utility and HVAC troubleshooters choose TPI for value and quality. Replace messy U-tubes and expensive pressure gauges with TPI's 600 series manometers. Isolating difficult pressure problems on natural gas and propane systems has never been better. Test for leaks in low-pressure gas systems with the confidence of TPI products. Basic accuracy of $\pm 0.5\%$ reading with .01 inH₂O resolution.

7 Units of Measure, 615 and 625 Manometers

1. mmHG = MILLIMETERS OF MERCURY
2. inHg = INCHES OF MERCURY
3. kPa = KILO PASCALS
4. mBar = MILLIBARS
5. PSI = POUNDS PER SQUARE INCH
6. inH₂O = INCHES OF WATER
7. mmH₂O = MILLIMETERS OF WATER

**3-YEAR
LIMITED
WARRANTY**



610

615

620

625

FEATURES

610	Single input and single unit of pressure (inH ₂ O)
610X	Single input and single unit of pressure (mBar units)
615	Single input and 7 units of pressure
620	Dual input, differential and single unit of pressure (inH ₂ O)
620X	Dual input, differential and single unit of pressure (mBar units)
625	Dual input, differential, and 7 units of pressure

THE 625's VALUE ADDED FEATURES

With dual inputs and selectable units of measure, simultaneously connect to gas inlet and outlet valves using one tester. Press UNITS button to view differential and individual pressure readings in any of 7 units of measure.

SPECIFICATIONS

Auto Range	-15 to +48 inH ₂ O
Accuracy	$\pm 0.5\%$ of reading + 5 digits
Resolution	0.01 inH ₂ O
Over Pressure	500 mBar
Power Supply	9V
Relative Humidity	0% to 80% (0° to +40° C)
Operating Temp	0° C to +40° C
Storage Temp	-10° C to +50° C
Auto Power Off	After 40 minutes

Units of measurement for **615** and **625** are mmHg, inHg, kPa, mBar, PSI, inH₂O, and mmH₂O. The **610** and **620** only measure in inches of water.

APPLICATIONS

- Adjusting appliance regulators
- Setting delivery pressures
- Leakage "shut-in" tests
- Regulator adjustments for pressure and lock-up tests
- Test pressure switch operation on a 2-stage gas furnace in both positive and negative pressures
- Static pressures in air ducts for air balancing
- Check air filters by measuring pressure drop

FAQ

Can I measure negative pressure on my manometer?

Yes, all models will read from approximately -15" of water to +48" of water.

How can I measure in pounds per square inch?

The 615 and 625 have selectable units and can display it in PSI. The 610 and 620 only measure in inches of water. You can divide the reading by 27.68 to convert to PSI.

How do you compensate for the differences in atmospheric pressures at different altitudes?

All four models have a push button zero that will zero your base reading at any altitude.

What does the "trim" mode do?

The "trim" mode displays a running average to stabilize the readings when constant changes in pressure won't allow the display to be read.

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