



These meter kits conform to the specification requirements of consulting engineers and provide you with a master test kit to monitor venturi flow devices. Our kits are presented in a sturdy custom carrying case and equipped with all the components needed to measure accurate differential pressure in fluids or gases without the cost of installing multiple permanent installations.

Gauge Operating Ranges:

Temp. Range: Most Gases up to 200 Deg. F. Max.
Pressure Range: Up to 125 PSI

Accessories:

Additional probes and replacement parts are available.

Material Specifications:

Model MK-50 - Reads 0 to 50 " of water
Model MK-100 - Reads 0 to 100" of water
Model MK-300 - Reads 0 to 300" of water
Model MK-500 - Reads 0 to 500" of water

All meter kits come equipped with a 6" dial face for easy viewing and a light weight sturdy carrying case. Each kit comes with (2) 10 feet hoses and (2) 1/8" - 1-1/4" probes, bleed valves with flexible bleed hose.

Our kits are accurate to +/- 2%

Technical Bulletin:

Caution: Be sure the test plug is installed on the top half of the pipe. Test plugs should never be installed on the bottom side of pipe.

Warning: Operator should always wear protective clothing and safety goggles when using test plugs. Do not remove test ports from tapping when line is under pressure. Probes should be clean and free of burrs also apply a small amount of a silicone lubricant. Failure to do this may result in damaging the PT Port.

Recommended for use on:

Gases or Liquids compatible with the following wetted materials:

Nylon	Polysulfone
Buna 'N' Rubber	Brass
316 Stainless Steel	Acetal

In general, water, oil - Most gases up to 200 Deg. F are compatible.

Directions:

To take a reading connect the "High" side line to the port marked "H" (Closest to the union), and the "Low" side to the port marked "L" (Closest to the handle). The reading taken is then used with the **Terminator B** pressure drop diagram to determine the flow rate or that which is provide on the custom hanging tag.

1. Take an initial flow reading with the valve fully open to use as a baseline for the valve.
2. Using a flow chart for the valve or the custom hanging tag, determine the differential pressure needed across the venturi.
3. Throttle the valve until the desired differential pressure is indicated on the gauge. Use the provided memory stop to lock in the handles position, then simply record your readings on the balancing report.
4. Remove probes and re-install port caps. Note on chilled water systems ports may seep. If seepage occurs re-insert probe and remove slowly to allow port to seal.

Typical Specifications:

Owners shall be provided one **MK-Series Meter Kit** for suitable ranges as provided by **Hydronic Components, Inc.** Kits shall be equipped with 6" dial face for easy viewing, (2) 10 feet hoses and (2) 1/8" - 1-1/4" probes, bleed valves with flexible bleed hose and provide in a light weight sturdy carrying case. Kits must have accuracy of +/- 2%.

JOB: _____ ENGINEER: _____
REP: _____ CONTRACTOR: _____