The IRROMETER Model LT (Low Tension) was designed to operate in coarse sandy soils and non-soil growing media. With a range of 0-40 centibars (cb) or kilopascals (kPa), this instrument is for use in situations where tensions above 30 cb (kPa) are rarely expected. Gauge increments of 1 cb (kPa) provide a benefit where finer resolution near saturation is needed. This model instrument is also well suited for conditions where rapidly changing soil moisture conditions need to be observed. The “Quick-Flo” ceramic tip is colored blue for easy identification.

Features:
- 0-40 cb (kPa) range gauge
- “Quick-Flo” ceramic tip (blue)
- Air-free gauge gives accurate readings
- Large reservoir makes maintenance easy
- Hermetically sealed gauge designed for harsh environments

IRROMETER — Model LT

Specifications –

INSTRUMENT BODY:
- MATERIALS: Butyrate body, ceramic tip, neoprene stopper
- RESERVOIR SECTION DIMENSIONS:
  - HEIGHT: 4.75 in. (120 mm) – 5.125 in. (130 mm) including cap
  - DIAMETER: 2 in. (51 mm) – 2.15 in. (55 mm) including cap

BODY TUBE SECTION DIMENSIONS:
- LENGTH: Ranges from 6 in. to 36 in. (15 cm to 90 cm) (special lengths available)
- DIAMETER: .875 in. (22 mm)

INSTRUMENT WEIGHT: 12 in. (30 cm) is .968 lb. (.439 kg) with increases of .252 lb. (.114 kg) per foot

CERAMIC TIP: Replaceable threaded tip with O-ring seal. Blue tip — used for very coarse soils and non-soil growing media

WARRANTY: One year

1008 – Standard Vacuum Gauge

Specifications –

DIAL SIZE: 2 in. (51 mm)
- CASE: Hermetically Sealed Thermo Plastic Rubber
- WINDOW: Inner – Polycarbonate, Outer – Butyrate
- SCALE: Scale of 0-40 cb (kPa), white with contrasting green markings.
- ACCURACY: ± 3-2-3% of span ASME B40.1 Grade B
- MECHANISM: Bronze Bourdon Tube
- CONNECTION: Standard 1/4 in. NPT – Brass Bottom Mount
- OPERATING TEMPERATURE: -40° to 150° F (-40° to 65° C), 32° to 150° F (0° to 65° C) for water service

WARRANTY: One year

ORDERING INFORMATION: Catalog #5

includes reservoir, air-free gauge chamber and hermetically sealed IRROMETER vacuum gauge with dual scale of centibars (cb) and kilopascals (kPa) (0-40 cb (kPa) range).
**Hermetically Sealed Gauge** —
Accuracy and long life are ensured by a hermetically sealed cover with a molded-in diaphragm which keeps dirt and moisture out and compensates for variations in temperature and barometric pressure.

**Air-Free Gauge** — The water seal prevents air from entering gauge, so gauge and chamber remain full regardless of water level in instrument.

**The IRROMETER Body** — is constructed of tough durable plastic impervious to attack by soil chemicals or electrolysis.

**The IRROMETER** — is available in standard lengths of 6, 12, 18, 24, 36 inches (15, 30, 45, 60, 90 cm).

**Closure** — Large cap for easy operation and better control. Cap removes for filling reservoir. Submerged valve gives a positive leak proof seal. Servicing is instantaneous with a twist of the wrist.

**Reservoir** — holds a reserve supply of fluid sufficient for several irrigation cycles under average operating conditions. Unscrewing cap part way releases air and fills tube to replace fluid lost by the action of drying soil.

**Ceramic to Plastic** — connections are permanently leak proof.

**“Quick-Flo” Ceramic Tip** — is designed for low tension applications where quick response to soil moisture variations in very coarse soils or non-soil growing media is needed. Tip has an O-ring seal and is threaded for easy replacement in the field.