The IRROMETER was first developed in 1951 to help growers improve irrigation efficiency. It provides the user with accurate information on soil moisture status regardless of soil type. The instrument measures in centibars (cb) or kilopascals (kPa) of soil water tension. This value represents the energy a plant’s root system uses to draw water from the soil. Understanding soil moisture activity helps the user make informed irrigation scheduling decisions resulting in improved yield and quality while reducing water, fertilizer, labor and energy costs.

The IRROMETER Model TG is best suited for turf and shallow rooting areas such as turf grass or seed beds or anywhere installation requires horizontal placement.

Features:
- 0-100 cb (kPa) range gauge
- Fixed ceramic tip (white) or blue for low tension applications
- Air-free gauge gives accurate readings
- Membrane vented gauge designed for harsh environments

IRROMETER — Model TG
Specifications –

INSTRUMENT BODY:
- MATERIALS: Butyrate body, ceramic tip, Neoprene stopper

CAP SECTION DIMENSIONS:
- HEIGHT: 2 in. (51 mm) including cap
- DIAMETER: 2 in. (51 mm) including cap

BODY TUBE SECTION DIMENSIONS
- LENGTH: Ranges from 6 in. to 24 in. (15 cm to 60 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:
- White tip – used for most soil types, also available in low tension (TG-LT – blue tip)

WARRANTY: One year

1008 – Standard Vacuum Gauge
Specifications –

DIAL SIZE: 2.5 in. (63 mm)

CASE: AISI 304 Stainless steel membrane vented case with IP 67 protection degree

WINDOW: Polycarbonate with EPDM gasket seal

MECHANISM: Bronze Bourdon Tube with brass and stainless steel internals

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

IRROMETER Model TG or TG-LT
includes cap section, body tube and tip and membrane vented IRROMETER vacuum gauge with dual scale of centibars (cb) and kilopascals (kPa) [0-100 cb (kPa) or 0-40 cb (kPa) for LT].
IRROMETER — Automatic Model TG

The Automatic IRROMETER provides direct switching capabilities thereby allowing the user to control irrigation events. The switch can control a single valve, a group of valves, or the entire irrigation controller. Ideal for managing irrigation based on soil moisture depletion.

Switch Specifications:
Brass switch housing with adjustment screw and 18 inch flying lead wires
WEIGHT: 0.15 lbs (0.07 kg)
RANGE: 10 to 95 centibar (kPa) with less than 10% of actuation point differential
OPERATING TEMPERATURE: 32° to 150°F (0° to 66°C)
MECHANISM: SPST Creep action switch with Buna-N diaphragm, closed at and drier than set point, rated for 1,000,000 cycles
CONNECTION: 1/4 inch brass male NPT with tee and gauge, for Models R, S, LT, MLT, TG
SWITCH RATING: 24 VAC 4 amp maximum. Includes 18 inch (45 cm) AWG 18 wire leads (2)
DIMENSIONS: 1.64 inch (41.6 mm) body
0.94 inch (23.8 mm) hex
REPEatability CATEGORY: ± 3% of full set point range at 70°F (21°C)
Ambient Temperature
PROTECTION CATEGORY: IP 67, CE marked, RoHS compliant
Compatible with any 24 volt AC valve system and DC controllers with a sensor circuit

Gauge Specifications: see page 1

ORDERING INFORMATION:
Catalog #_AVS - LT (only add LT for Low Tension)

**To complete catalog number, add desired centibar value for preset switch position.
If not specified, AVS will have a default setting of 30 centibars.

IRROMETER Model TG-AVS
includes cap section, body tube and tip, membrane vented IRROMETER vacuum gauge with dual scale of centibars (cb) and kilopascals (kPa) [0-100 cb (kPa) range] or [0-40 cb (kPa) range] (-LT), brass tee and Automatic Vacuum Switch.