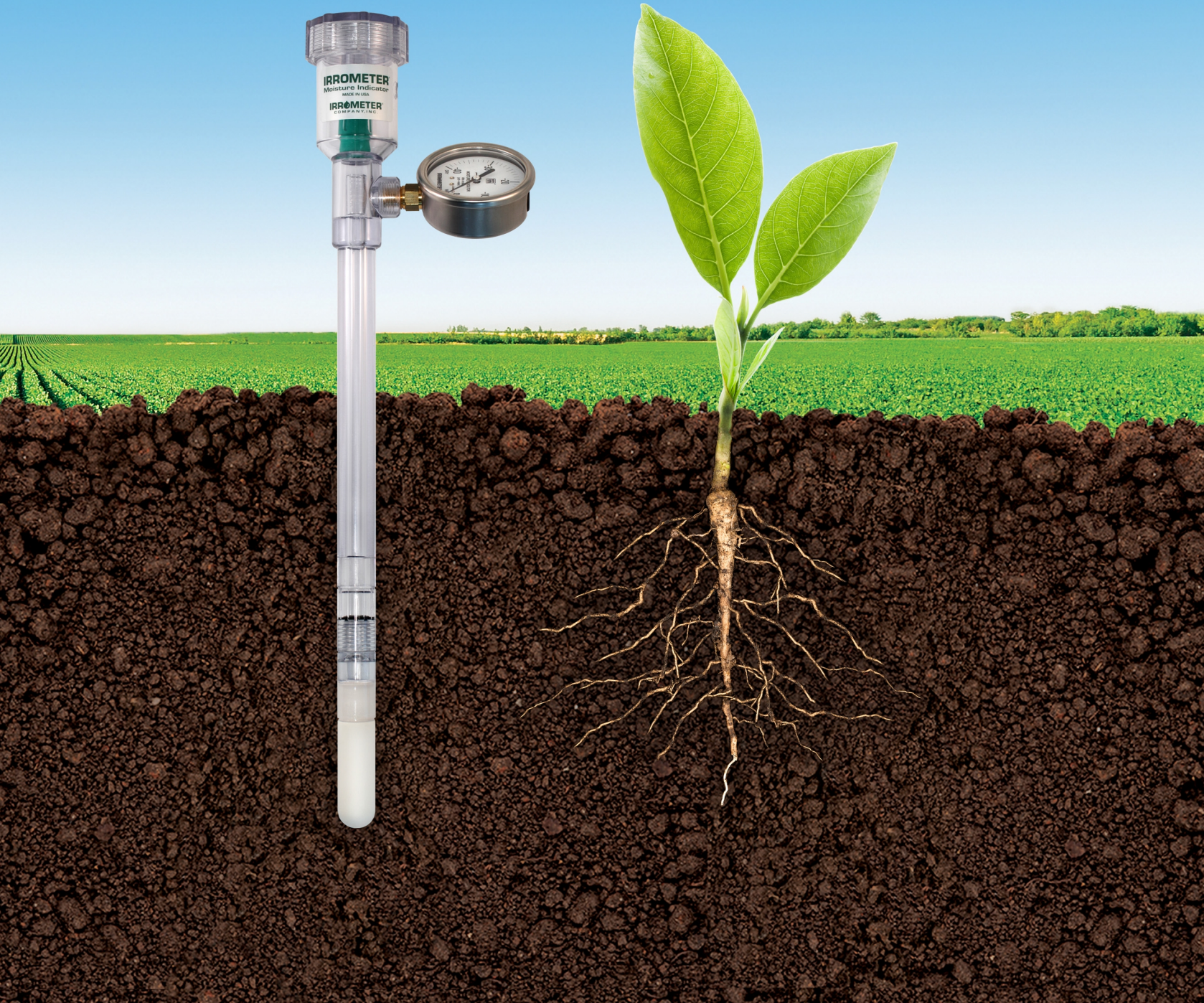


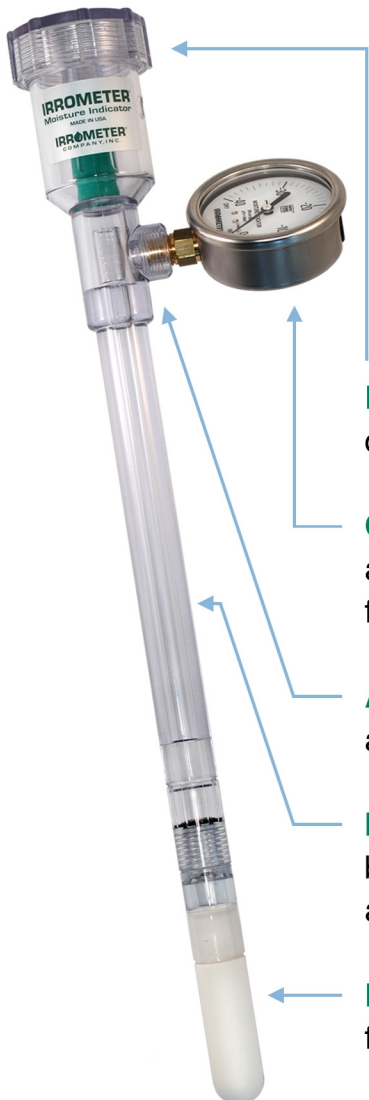
# IRROMETER®

SOIL WATER MANAGEMENT SINCE 1951



Since 1951 **IRROMETER®** tensiometers have been the preferred choice of growers, irrigation experts, and researchers alike for the most simple, affordable, and reliable measurement of available soil water.

The **IRROMETER** acts like an artificial root by exchanging water with the surrounding soil just like a plant does. It is measuring the actual soil water tension, which indicates the effort required by root systems to extract water from the soil. This creates a change in reading on the gauge, which offers a reliable means of measuring soil moisture for irrigation scheduling. Because the **IRROMETER** is a true measurement of soil water tension, it is not affected by salinity or temperature and does not require site calibration.



**Reservoir** - holds a reserve supply of fluid for multiple irrigation cycles.

**Gauge** - membrane vented for temperature and elevation related compensation, a 2 1/2 inch face, and a stainless-steel rustproof body.

**Air-Free Gauge Chamber** - water seal prevents air from entering gauge regardless of fluid level.

**IRROMETER Body** - constructed of tough butyrate plastic, impervious to soil chemicals and electrolysis.

**Porous Ceramic Tip** - molded thread for quick and easy replacement.

**STANDARD** **LOW TENSION**

The white tipped **STANDARD (SR)** is for general use in most soils, with ranges from 0-100cb (kPa). The blue tipped **LOW TENSION (LT)** is designed for use in very coarse soils and non-soil container media with ranges from 0-40cb (kPa). The **MLT** is a mini low tension model for use in small containers with very coarse soils and non-soil growing medias with ranges 0-30cb (kPa).

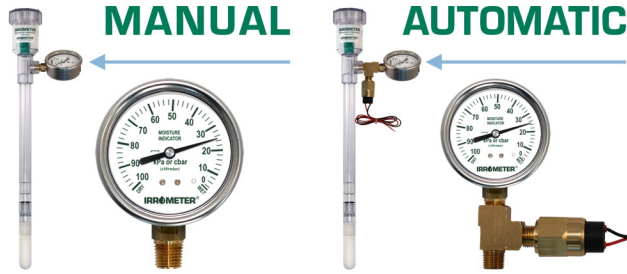
**SR and LT IRROMETERS** are available in standard lengths of 6, 12, 18, 24, 36, 48, 60 inches.

### SERVICE UNIT



**SERVICE UNIT** - One service unit will service ALL of your **IRROMETERS** and should be included in your initial order. This unit is used during installation and then periodically after for removal of air to ensure maximum sensitivity and accuracy.

# IRROMETER® OUTPUT READING OPTIONS

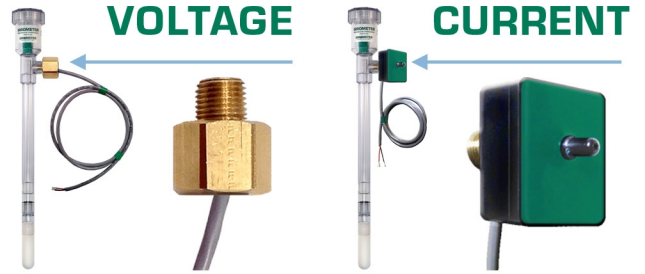


## MANUAL

## AUTOMATIC

**MANUAL GAUGE** - provides gauge readings in ranges from 0-100cb (kPa).

**AUTOMATIC SWITCH** - provides adjustable automatic vacuum switching capabilities for irrigation automation.



## VOLTAGE

## CURRENT

**RSU-V REMOTE SENSING UNIT** - shows soil moisture levels by converting the reading to a voltage signal.

**RSU-C REMOTE SENSING UNIT** - shows soil moisture levels by converting the reading to a current signal.

## MANUAL READING

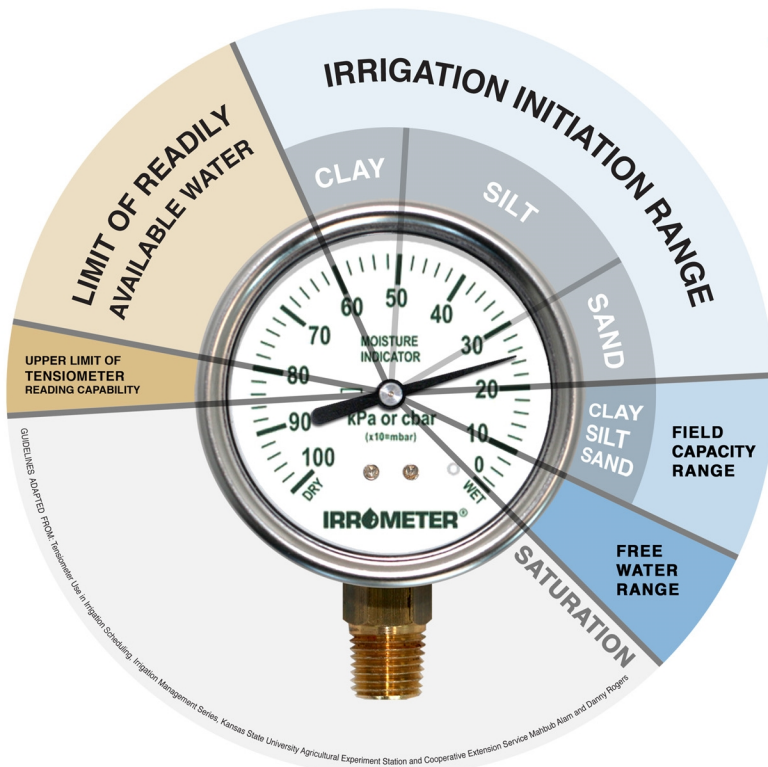
Guidelines below can be used for manual readings. An automatic switch can also be added to provide direct switching capabilities by moisture levels.

Use the following readings as a general guideline:

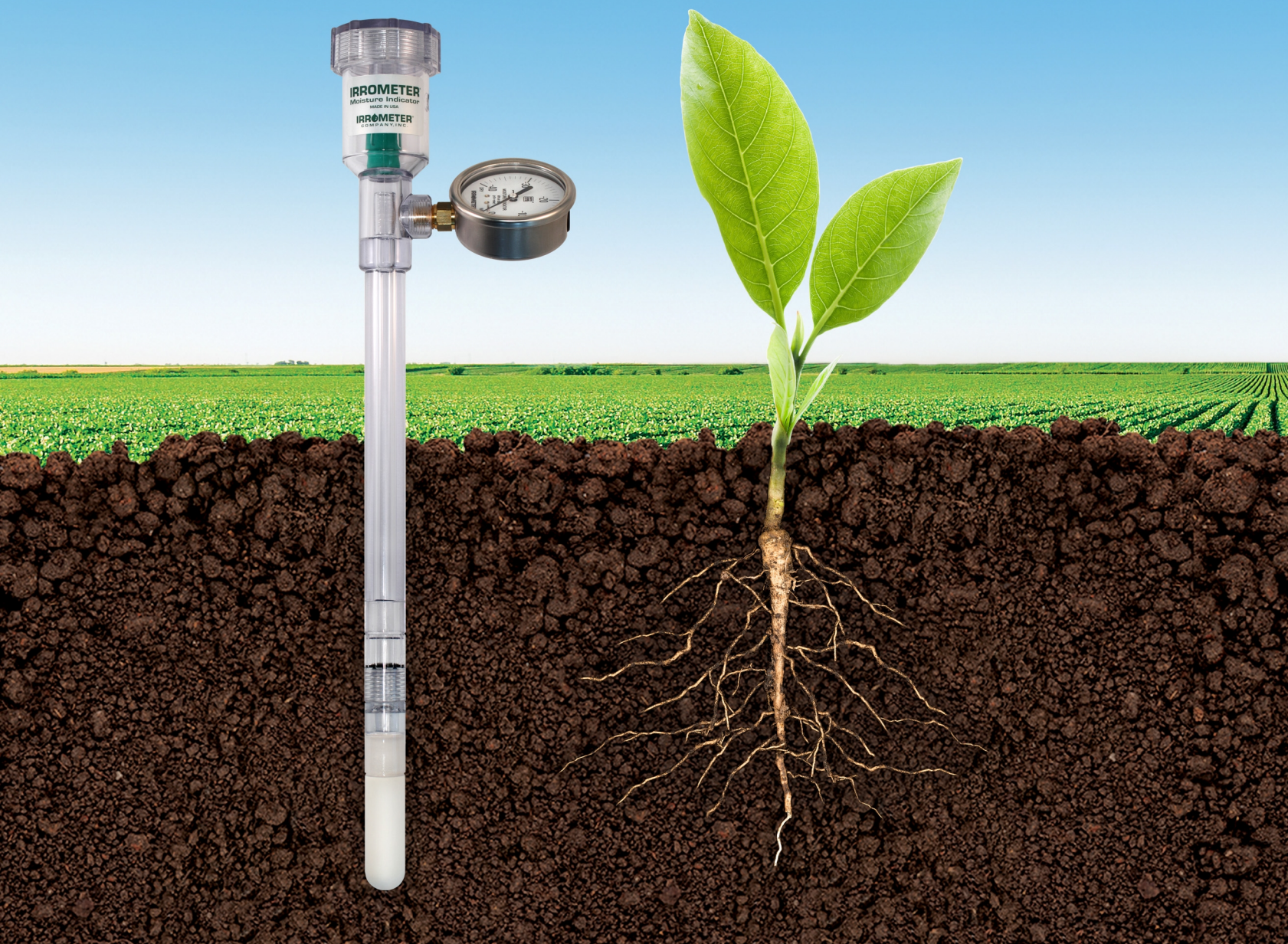
- 0 - 10 cb (kPa) - Saturated soil.
- 10 - 30 cb (kPa) - Soil is adequately wet (coarse sands are beginning to lose water).
- 30 - 60 cb (kPa) - Usual range for irrigation (most soils).
- 60 - 100 cb (kPa) - Usual range for irrigation in heavy clay.
- 100 - 200 cb (kPa) - Soil is becoming dangerously dry for maximum production.

## DATA LOGGING & CLOUD ACCESS

IRROMETERS can be connected to an automatic reading device for manual downloads, or send data automatically to the cloud for online access.



**SIMPLE · AFFORDABLE · RELIABLE**



**IRRROMETER.COM 1425 Palmyrita Ave, Riverside, CA 92507 951.682.9505**