

MLT Series IRROMETER Tensiometer

Features:

- Compact size for small containers
- 0-40 cb (kPa) range gauge for coarse, sandy, or potting-soil applications
- Replaceable tip assembly
- Direct measurement of soil water tension
- Membrane vented gauge for temperature and elevation compensation



Measuring soil moisture allows a grower to make informed irrigation scheduling decisions that will improve yields and quality while reducing water, fertilizer, labor, and energy costs. MLT IRROMETER's are designed to operate in conditions where tensions above 30 cb (kPa) are not expected and compact size is needed such as containers or pots in greenhouse applications.

The IRROMETER MLT measures soil moisture by interacting with the soil through a porous ceramic tip. As soil dries, it tries to pull water out of the instrument, creating vacuum measured by the gauge. This is a direct, physical measurement of the same tension plant roots experience, requiring no electronics, batteries, or calibrations to operate. IRROMETER tensiometers have been on the market since 1951 and are proven by decades of commercial usage and field research, trusted enough to serve as the calibration standard for other sensors.

IRROMETER tensiometers are constructed of C.A.B., a durable, renewable, plastic designed for outdoor use. Fitted with stainless-steel gauges for many years of reliable service in field conditions, the gauges incorporate a membrane vent which allows them to maintain accuracy during changing conditions without sacrificing protection.

Specifications:

MATERIALS: C.A.B plastic, ceramic, EPDM, bronze, brass, stainless-steel

TIP: MLT (blue) replaceable tip

DIAL SIZE: 1.5 in. (38 mm)

GAUGE CASE: Stainless steel with membrane vent

GAUGE WINDOW: Polycarbonate

GAUGE DIAL: Scale of 0-40 cb (kPa), white with contrasting blue markings

ACCURACY: +/-5% of gauge span, ASME B40.1 Grade D

OPERATING TEMPERATURE: 33° to 150° F (0.5° to 65° C)

WARRANTY: One year

DIMENSIONS:

Length: 6.75" (171mm)

Diameter: reservoir: 1" (25 mm) tip/tube: 0.5" (13mm)

Weight: 0.17 lb. (0.077 kg)

Ordering Information:

CAT# Description

MLT:	IRROMETER MLT
1007:	Service Kit w/ syringe vacuum pump
MLT-TIP:	Replacement LT Tip
1008-MLT:	Replacement Gauge LT