



## SR Series IRROMETER Tensiometer



### Features:

- 0-100 cb (kPa) range gauge
- Replaceable ceramic tip
- Direct measurement of soil water tension
- Large reservoir for quick maintenance
- Stainless Steel IP 67 gauge designed for harsh environments
- Membrane vented gauge for temperature and elevation compensation

The IRROMETER SR measures soil moisture by interacting with the soil through a porous ceramic tip. As soil dries, it attempts 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.

Available in different lengths to measure at desired depths in the root zone, the standard gauge can also be replaced with electronic options for data devices, or an automatic switch which can be triggered at desired soil water tension levels.

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, neoprene, EPDM, bronze, brass, stainless-steel

**TIP:** SR (white) threaded replaceable tip, suitable for a wide range of soil types

**DIAL SIZE:** 2.5 in. (63 mm)

**GAUGE CASE:** AISI 304 Stainless steel membrane vented case, IP 67

**GAUGE WINDOW:** Polycarbonate with EPDM gasket seal

**GAUGE DIAL:** Scale of 0-100 cb (kPa), white with contrasting green markings

**ACCURACY:** +3-2-3% of gauge span, ASME B40.1 Grade B

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

**WARRANTY:** One year

**WEIGHT:** 12" (30cm) instrument: 0.97 lb (0.44 kg), increasing 0.25 lb. (0.114 kg) per ft.

#### DIMENSIONS:

Reservoir Section: 5.125" (130 mm) ht, 2" (55 mm) dia

Water Tube: 6" (15cm) to 60" (150 cm) len, .875" (22 mm) dia

### Ordering Information:

CAT#	Description	CAT#	Description	CAT#	Description
206:	6" (15cm) IRROMETER	224:	24" (60cm) IRROMETER	1001:	Service Kit w/ hand vacuum pump
212:	12" (30cm) IRROMETER	236:	36" (90cm) IRROMETER	SRT:	Replacement Tip
218:	18" (45cm) IRROMETER	248:	48" (120cm) IRROMETER	1008:	Replacement Gauge

**Options:** 2XX-RSU-V (voltage output) 2XX-AVS (automatic switch) 2XX-RSU-C (4-20mA output)

See "Automation & Output Options" spec sheet for additional details on output options