

Features:

- Less Water Used.
- Mitigation of Pests and Diseases.
- Prevention of groundwater pollution.
- Lowering of irrigation labor costs.
- Less Pumping Energy Consumed.
- Prevention of excessive leaching of mobile plant nutrients.
- Lower wear and tear on irrigation systems.

General Description:



In any agricultural irrigation environment, a grower is constantly faced with the need to more effectively manage his/her irrigation scheduling routine. Soil moisture measurement, on your farm, in your crop and soil type and with your irrigation method, has proven to be an effective and inexpensive irrigation management technique. The irrigation of agriculture crops has a single purpose - to help a farmer make more money from his labor and capital. Producing a greater crop yield and quality, lower per unit cost, and put more money in the bank at harvest.

The instruments 6002A&B are a digital instrument for the measuring of soil moisture. The instrument has two probes: a moisture probe and a pointed temperature probe for the automatic temperature compensation (so it's possible to use the instrument only like a thermometer for checking the temperature in the soil or inside the fruit). The soil moisture sensor (granular matrix sensor) is an indirect, calibrated method of measuring soil water (in 6002B). It is an electrical resistance type sensor, read by the hand-held meter which converts the electric resistance reading to a calibrated reading of centibars of soil water suction.

Results

0-10	Centibars	soil saturated
10-20	Centibars	soil close to saturation
20-50	Centibars	good soil moisture level
50-100	Centibars	irrigation according to soil type
100-200	Centibars	soil dried

Irrigation according to soil type

Soil type	Intensive Irrigation	Extensive Irrigation
Sandy soil	30-40 Cb	50 Cb
Mud soil	40-50 Cb	70 Cb
Clay soil	50-70 Cb	100 Cb

TECHNICAL SPECIFICATION 6002A:

Measuring range	:	0 - 100 centibars/-50°C to +150°C
Power supply	:	9V dry battery, duration about 100 hours with alkaline battery, auto power off after 5/6 min.
Moisture probe	:	Stainless steel, diameter 6 mm, length 23 cm
Temperature probe	:	PT100. Diameter 3mm, length 15cm
Working temperature	:	-5°C to +50°C
Dimensions	:	150Lx80Bx30H mm
Weight	:	410 g with battery
Optional	:	Moisture probes length 35 cm or 50 cm

TECHNICAL SPECIFICATION 6002B:

Measuring range	:	0 - 200 centibars/-50°C to +150°C
Power supply	:	9V dry battery, duration about 100 hours with alkaline battery, auto power off after 5/6 minutes
Moisture probe	:	Granular matrix sensor - It is an electrical resistance type sensor which converts the electric resistance reading of centibars of soil water suction.
Temperature probe	:	PT100. Diameter 3mm, length 15 cm
Working temperature	:	-5°C to +50°C
Dimensions	:	150Lx80Bx30H mm
Weight	:	410 g with battery

IMPORTANT NOTE:

- If the instrument is not to be used for a long time the battery must be removed.
- If the battery is weak it must be replaced immediately.
- Clean the probes after use.