TH150 Portable Soil Moisture Probe

HH150 Readout Specifications

Accuracy
0.5 % of full scale over 5-40° C

Resolution
0.1 % of voltage reading

Battery Life
2 x AAA Alkaline Batrteries / 10,000 Readings possible

Environmental
-20 to +60° C operating range

Compliance
CE, FCC & ROHS

Dynamax Inc
10808 Fallstone Rd #350
Houston, TX 77099 USA
Tel: 281-564-5100 Fax: 281-564-5200
admin@dynamax.com
www.dynamax.com

Features

• **Fast and accurate soil moisture reading**

• **Easy to use**

• **Completely portable**

• **Durable and rugged**

• **LED Display**

• **Excellent for golf course, sports turf and greenhouse applications**

• **Soil moisture display**

• **Accurate and reliable**

• **Great for Irrigation Scheduling**

Completly Portable Probe

The TH150 portable soil moisture probe is fast, accurate, and easy to use. TH150 is the perfect tool for golf course and sports turf applications. In just a few seconds soil water content can be measured. Irrigation requirements can now be determined based on fast and accurate soil moisture data.

The combines the HH150 hand held readout with the SM150 soil moisture sensor, which is based on the TH_2O and ML2 Theta probe technology. Volumetric water content, ±3 % is measured with little or no temperature or salinity effects.

SM150 Sensor Specifications

Accuracy [1]	3.0% (± 0.03$m^3.m^{-3}$)	Note [2]
Measurement range	Full accuracy over 0 to 70%	Measures full range up to 100% with reduced accuracy
Salinity range	100 to 1000mS.m^{-1}	Salinity errors < 5% from 0 to 60%
Temperature range	Full accuracy over 0 to 60°C	Moisture content readings in frozen soil are not meaningful
Output	0 to 1.5V differential	Corresponding to ~ 0 to 100% nominal
Sample volume	~55 x 70mm diameter	Sample volume extends to ~1 litre, but is weighted towards soil immediately surrounding the rods
Power requirement	5 to 14V, ~18mA for 1s	
Environmental	IP68	-20 to +60°C operating range
Dimensions	143 x 40mm diameter	
Weight	0.1kg	Excluding cables
Sensor calibration	Sensors are fully interchangeable	Individual sensor calibrations not required
Logger / Meter compatibility	GP1, DL6, DL2e, HH150 and HH2	Note [3]