

Mentor of watering plants!  
Master of caring plants!



## Multi-function Soil moisture meter



Comparison of each model

Model Name	Functions
HMM-100	Soil moisture meter/Thermometer
HMM-100 Pro	Soil moisture meter/Thermometer/EC meter
HMM-200	Soil moisture meter/Thermometer/pH meter
HMM-200 Pro	Soil moisture meter/Thermometer/pH meter/EC meter
HMM-300 Pro	Soil moisture/Thermo/EC/Hygro/Light meter
HMM-400 Pro	Soil moisture meter/Thermometer/pH/EC/Hygro/Light meter

- \*Precise response for normal soil moisture (0~50%), Available soil moisture (0~100%)
- \*Temp. measurement (-40°C~100°C), Temp. compensation of soil moisture, pH, Humidity, EC.
- \*Precise humidity, Lux measurements. Soil moisture, pH, hygrometer calibration function.
- \*pH measurement (pH 0.0~pH 8.0), EC measurement (0~9.0mS/cm)



# 1.Features(HMM-100 Pro) Soil moisture meter/Thermo meter/EC meter

- Measure moisture of 6 categories such as soil I, Soil II, Soil III, Soil IV, peat moss, coco peat.
- Fast and precise response for soil moisture measurements of 0~50% with 0.1% resolution
- Soil moisture meter calibration function
- Replaceable soil moisture probe caused by wearing
- Using platinum sensor, Fast and precise measurements of  $-40^{\circ}\text{C}\sim 100^{\circ}\text{C}$  and  $-40^{\circ}\text{F}\sim 212^{\circ}\text{F}$  with  $0.1^{\circ}\text{C}$  resolution(Air/soil temp.)
- Fast response of soil EC measurement of  $0.0\text{ mS/cm}\sim 9.0\text{ mS/cm}$
- Temperature compensation of soil moisture, EC meter.  
Convertible temperature unit between  $^{\circ}\text{C}$  and  $^{\circ}\text{F}$
- Provide guide to watering and temperature requirements of 270 plants
- Able to display various combination of moisture mode and temperature, EC with dual display
- Display low battery indicator





## 2.Specifications

- Display:HTN LCD
- Soil moisture meter/EC sensor;2 pins resistive
- Air/Soil temperature sensor;PT-1000
- Sampling rate ;0.8 sec
- Storage condition;-40℃~80℃
- Power supply;1.5V AAA X 2
- Weight;100g
- Dimension;55(W) X 88(H) X 25(D) mm
- Soil moisture sensor length;200mm



Soil Mois  
/EC key

STAT+/DEL key

STAT-/REC key

Power key

HOLD key

Top mode



Soil moisture Sensor  
/EC Sensor

Temp.Sensor

Funct ion	Valid range	Max range	Resol ution	Accuracy	Operating temperature
Soil m	0~30%	0~50%	0.3%	+/-3%	0~70℃
Temp.	-40℃~100℃	-40℃~100℃	0.1℃	+/-1℃	-40℃~100℃
EC	0~4.0mS/cm	0~9.0mS/cm	0.01mS	+/-1%+5DGT	0~50℃