

SOIL MOISTURE METER



MODEL : GMK-770S

FEATURES

- Capacitance · high frequency method adopted
- Automatic temperature compensation
- Three kinds of soil (Sandy loam, Loam, Clay loam) measurable
- Quick & easy to use in field by inserting sensor
- Sensor insert depth adjustable by Sensor Ring
- Large, bright digital LCD display
- Average data available
- Dried soil weight % method

SPECIFICATIONS

Applications	Sandy loam, Loam, Clay loam
Measuring Range	7% ~ 40%
Accuracy	± 3%
Measuring Time	About 30 SEC.
Power Source	Battery 1.5V X 4EA
Size	Instrument 200(L) X 120(W) X 55(H)m/m
	Sensor 600m/m

SOIL CLASS

Sand	Less than 12.5% Clay
Sandy Loam	12.5% ~ 25% Clay
Loam	25% ~ 37.5% Clay
Clay Loam	37.5% ~ 50% Clay
Clay	More than 50% Clay

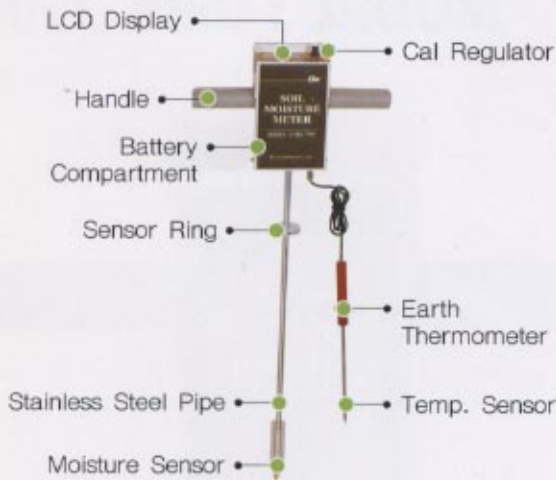


G-WON HITECH CO., LTD.

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DESCRIPTION OF THE INSTRUMENT



IMPORTANT

- 1) After every measurement, clean Moisture & Temp. sensors with fine cloth or tissue.
- 2) When no use for a long time, remove batteries and keep the instrument in a cool place.
- 3) Treat Moisture Sensor with care as it is dangerous to neighbouring persons.
- 4) The manufacturer grants a total replacement of warranty of 12 months from the date of purchase.
- 5) In case of wrong use, abuse or misuse, warranty isn't granted.

MEASUREMENT (MOISTURE %)

- 1) Press Cal Button, and the power is on.
- 2) Connect the earth thermometer to the instrument.
- 3) Fill a bucket with water and place Moisture sensor & Temp. sensor in it.
- 4) Turn right Cal Regulator until red LED lamp is on.
- 5) Insert Moisture Sensor slowly & straightly into the soil.
- 6) Insert Temp. Sensor into the soil and wait for about 30 sec.
- 7) According to soil class, select one soil button.
- 8) Press Measure Button, and the result appears on LCD shortly.
- 9) Press Average Button, and average data is available.
- 10) Press Average Button one more time, and the power is off.

MEASUREMENT (TEMPERATURE °C)

- 1) Press Temp. Button and "Pa" Sign appears on LCD display.
- 2) Press Measure Button, and temp. of the soil appears on LCD.

Comparison table of Dried Soil Weight % & Effective Moisture %

Dried Soil Weight %	Sand	Sandy Loam	Loam	Clay Loam	Clay
4	0				
5	5.9				
6	17.6				
7	29.4				
8	41.2	0			
9	52.9	8.3			
10	64.7	16.7	0		
11	76.5	25.0	6.7		
12	88.2	33.3	13.3		
13	100.0	41.7	20.0		
14		50.0	26.7	0	
15		58.3	33.3	5.9	0
16		66.7	40.0	11.8	3.7
17		45.0	46.7	17.6	11.1
18		83.3	53.3	23.5	18.5
19		91.7	60.0	29.4	25.9
20		100.0	66.7	35.3	33.3
21			73.3	41.2	40.7
22			80.0	47.1	48.1
23			86.7	52.9	55.5
24			93.3	58.8	63.0
25			100.0	64.7	70.4
26				70.6	77.8
27				76.5	85.2
28				82.4	92.6
29				88.2	100.0
30				94.1	
31				100.0	

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Other Instruments

- Digital Refractometer
- Wood Moisture Meter
- Hay Moisture Meter
- Red pepper Moisture Meter
- Seed Moisture Meter
- Tobacco Moisture Meter
- Thermo-Hygro Meter
- Citrus Acidity Meter