



# Soil Moisture Transmitter

## MTR-730 series

□ IP65 □ CE □ RoHS



### Features :

- Moisture Measurement and Control
- 4 ~ 20mA or 1 ~ 5Vdc Output
- IP65 Watertight Enclosure, Stainless Steel Probe
- Custom Calibration for Measuring Object
- Wide Supply Voltage: 12 ~ 40Vdc
- Easy Mounting and Quick Wiring

### Applications :

Agriculture and fertilization control.  
 Turf management. Food processing.  
 Measuring the moisture of Soil, Sands, Sawdust, Pulps,  
 Compost, Powders, Building materials, Compounds...etc..

**MTR-731** Moisture Transmitter

**MTR-732** Temperature/Moisture Transmitter

### Specifications of MTR-730

Model No.	MTR-731	MTR-732
<b>Measuring Range</b>	0.0 ~ 100.0% output scale True read : 6.0~56.0% WME	Temperature : -40 ~ +60°C 0.0 ~ 100.0% output scale True read : 6.0~56.0% WME
<b>Accuracy (At 25°C) Reference of Mineral Soils</b>	Moisture : ± 2 %	Temperature : ± 0.4°C Moisture : ± 2%
<b>Long-Term Stability</b>	Better than 1% per year (Typical)	Better than 1% per year (Typical)
<b>Temp. Compensation</b>	± 0.02% / °C (Effect @ 0% RH)	± 0.02% / °C (Effect @ 0% RH)
<b>Response</b>	Approx. 3 sec.	Approx. 3 seconds
<b>Output Moisture Scale : 0~100% Temp. Scale: -40~+60°C</b>	Current output : 4 ~ 20 mA Two wire Voltage output : 1 ~ 5 VDC	Temperature : Current output : 4 ~ 20 mA Two wire Voltage output : 1 ~ 5 VDC  Moisture : Current output : 4 ~ 20 mA Two wire Voltage output : 1 ~ 5 VDC
<b>Supply Voltage</b>	12 ~ 40V DC, >150mA	12 ~ 40V DC, >150mA
<b>Ambient Temperature</b>	-40 ~ +60°C	-40 ~ +60°C
<b>Housing / Protection</b>	ABS plastic watertight enclosure (IP 65), Probe: SUS304 or SUS316	
<b>Weight</b>	Approx. 190g	
<b>Dimensions</b>	Instrument : φ90 x 54(H)mm Probe : φ8 x 150(L)mm ※Length of probe is possible upon request	

※ Specifications are subject to change without notice.