

Description

This meter is installed to zone where displacement or strain of foundation is expected by excavation or water leak to ensure safety of various structures or foundation against sink hole or land subsidence.

Application

- * monitor settlement of each strata
- * Monitor sink hole by water leak or ground-water decrement tunnel lining, suitable for NATM method
- * Embankment dams, to determine magnitude and direction of stresses

Mechanism

Monitor settlement by displacement meter and monitor sink hole by restoring force of displacement meter.

Specification

Model	SJ-7300
Measurement range	0 ~100mm
Resolution	0.025%FS
Accuracy	±0.5 % FSR
Thermal expansion coefficient	11X10 ⁻⁶ /°C
Operatation Temp.	-20 °C ~ 50 ° C
Mounted Temp. sensor	NTC Thermistor (3KD-ATF)
Mounted Temp. range	Thermistor : -40°C ~ 80°C
Mounted Temp. accuracy	Thermistor : ±1°C
Waterproof	10 m H ₂ O
Material	Special steel, High density epoxy potting
Weight	0.51kg

Feature

Various optional sensor (temperature, water level, gas) are applicable.

Basic specification

Basic sensor length is 4.5 meter and VW sensors are installed to 1.5 meter interval. Optional sensor can be installed, if need be.

Caution

Before instalaaion, check foundation condition to decide length and interval of sensors.

Installation

1. Select installation position and check underground obstacles.
2. install delivery tube to checked position.
3. drill hole to target depth.
4. Install sensors in drilling hole.
5. Pullout drilling casing.
6. Check sensors condition and fill drilling hole.
7. Install protection cap and box.
8. Arrange sensor cables

