

## Description

Wire displacement meter is installed on expansion joint parts of concrete structure as like bridge or dam, or surface joint parts of rock or slope to measure condition of joint part.

The electric crack meter is equipped with high precise linear potentiometer inside the stainless housing, so if the change of joint parts is caused, the sensor wire will be pushed or pulled and it is transmitted to the potentiometer and convert the length change to the electric signal and transmitted to the output device.

This output signal can revert to the length displacement easily by applying the conversion coefficient.

The displacement is the difference between the initial measurement value and the current measurement value.

It can measure the development speed of the crack, percentage and ongoing progress. The gauges optional depending on the crack width and application.



## Feature

- \* High stability and reliability
- \* Excellent reproducibility and responsiveness due to the high precise linear potentiometer mounted
- \* Various measurement size (0mm~1000mm)

## Component

- \* Wire displacement meter main body
- \* Wire
- \* Fixing Plate
- \* Cable

## Specification

| Model                 | SJ-3400  |
|-----------------------|--|
| Sensor                | Potentiometer type                                 |
| Measurement range     | 0mm ~ 1000mm                                       |
| Resolution            | Below 0.1 mm                                       |
| Accuracy              | ± 0.1% FSR   |
| Non-Linearity         | ±0.5% FSR  |
| Operation Temperature | 20°C ~ 80°C  |
| Linearity             | ±1.0%  |
| Dimension             | Sensor : 75 × 120 × 68mm / Plate : 95 × 190 × 68mm |
| Weight                | 1.38kg   |
| Material              | Stainless steel, Wire φ=0.5mm                      |

※ The product spec is subject to change without prior notice in order to enhance the product's quality.