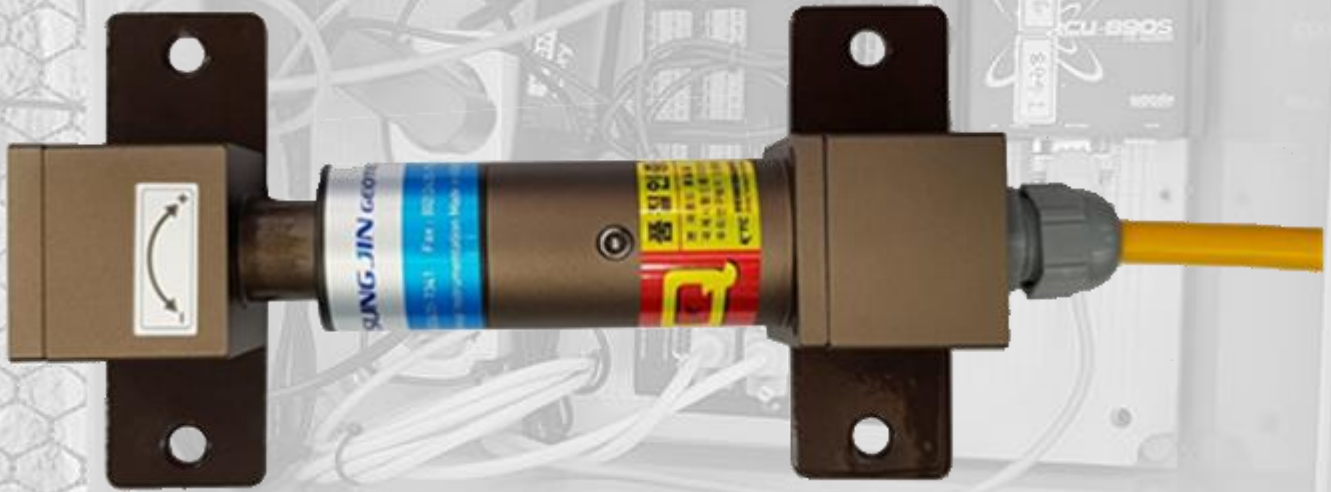


## Description

Tunnel lining concrete is structure by span connection that can be deformed by the surrounding environment. Specially, construction joints are displaced to the direction(radius or tangential or axial) in which deformation is induced.



## Application

- \* Install and monitor displacement of each crown and shoulder and sidewall of tunnel connection (applicable maintenance monitoring)
- \* Monitor convergence of adjoining underground structure. (under construction monitoring)

## Component

- \* Length displacement(1axis) and angle displacement(2axis)
- \* Mounting Bracket
- \* Anchor Plate & Bolt

## Feature

- \* Crack monitoring by length displacement(1axis)
- \* Radius and connection angle monitoring by angle displacement (2axis)

## Specification

<b>Model</b>	<b>SJ-9300</b>
<b>Sensor</b>	Angle : MEMS type(2axis)/ Length : Potentiometer type(1axis)
<b>Range</b>	Angle : $\pm 15^\circ$ / Length : 0~10mm
<b>Resolution</b>	Angle : 5 arc seconds / Length : 0.001mm
<b>Accuracy</b>	$\pm 0.1$ % FSR
<b>Linearity</b>	$\pm 0.5\%$ FSR
<b>Operatation Temp.</b>	-20 °C ~ 80 °C
<b>Dimension</b>	L = 150mm, D( $\phi$ ) = 30mm (available angle/length customizing )
<b>Material</b>	Aluminum