Description
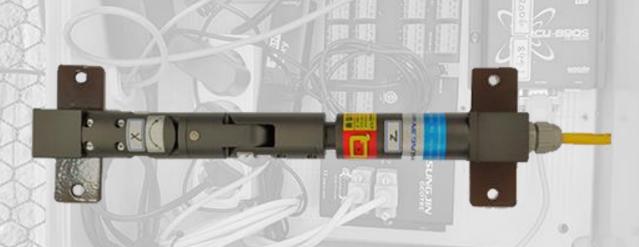
Tunel lining concrete is structure by span connection that can be defomed by the surrounding environment.

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 adjoiining underground

   structure. (under construction monitoring)

Component

* Length displacment(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

Model	SJ-9200
Sensor	Angle : MEMS type(2axis)/ Length : Potentiometer type(1axis)
Range	Angle : ±15° / Length : 0~10mm
Resolution	Angle : 5 arc seconds / Length : 0.001mm
Accuracy	±0.1 % FSR
Linearity	±0.5% FSR
Operatation Temp.	-20 °C ~ 80 ° C
Dimension	L = 300mm, D(ø) = 30mm (available angle/length customizing)
Material	Aluminum