

## Description

This tunnel convergence monitoring system is installed and connected 1meter interval to measure convergence. Precision value is output by high resolution length and angle displacement sensor.

## Application

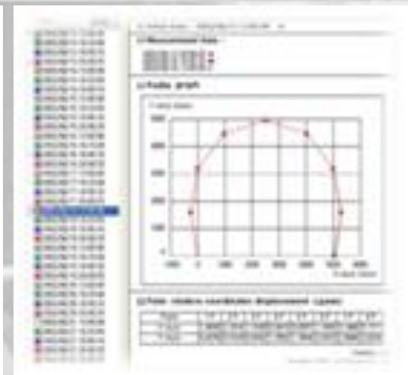
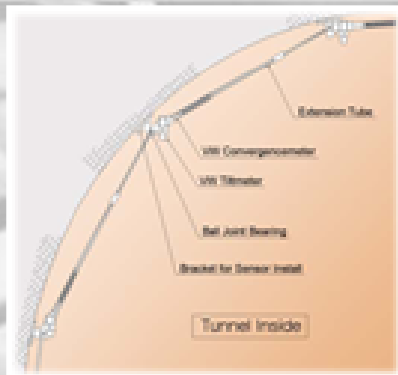
- \* To measure convergence of tunnel gross section after tunnel completion. (Maintenance monitoring)
- \* To measure convergence of gross section of near section structure. (Monitoring under construction)

## Feature

- \* Easy installation and short installation time by one line cable
- \* Easy installation by easy control of anchor block angle and mounting bracket.
- \* Low cost by one line cable

## Component

- \* Tunnel convergence system main body
- \* Mounting bracket, expansion rod
- \* Anchor plate and bolt



<b>Model</b>	<b>SJ-2700</b>
<b>Sensor</b>	Tilt/displacement : MEMS type
<b>Measurement range</b>	Tilt : $\pm 5^\circ$ / displacement : 25mm
<b>Resolution</b>	Tilt : 5 arc seconds / displacement : 0.001mm
<b>Accuracy</b>	$\pm 0.1\%$ FSR
<b>Non-Linearity</b>	$\pm 0.5\%$ FSR
<b>Opertion Temperature</b>	$-30^\circ\text{C} \sim 70^\circ\text{C}$
<b>Dimension</b>	L = 1.0m, D( $\phi$ ) = 24mm (Customizing by depth or length)
<b>Material</b>	Stainless steel 300, Fluoro O-Ring, Aluminum