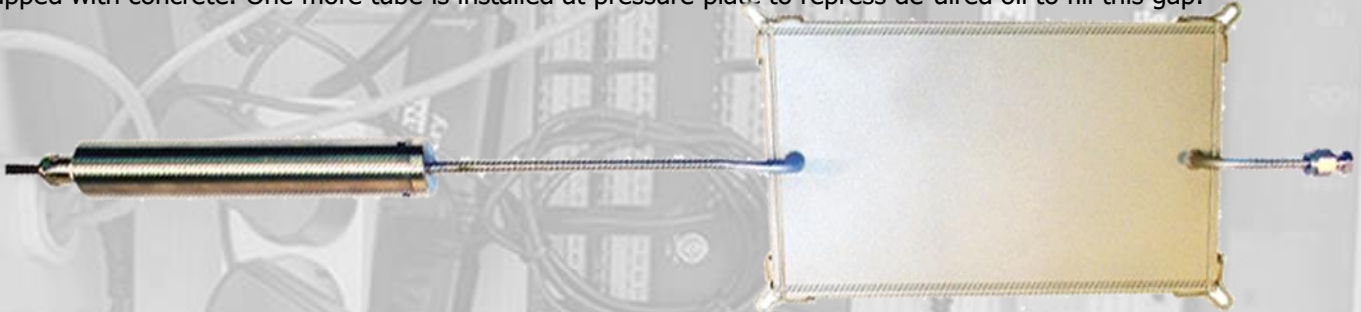


Description

VW type NATM pressure cell Model SJ-8200 is designed to measure stress in concrete and shotcrete in tunnel linings. The de-aired oil is filled to the space between two plate of pressure cell. If concrete or shotcrete stress is increased, the de-aired oil pressed diaphragm trough tube and small strain gauge is installed at the diaphragm and this strain gauge convert pressure to electrical signal in transducer. After concrete curing, pressure cell can be gapped with concrete. One more tube is installed at pressure plate to repress de-aired oil to fill this gap.



Component

- * Earth pressure cell main body
- * cable
- * Repressing tube

Feature

- * Rugged and waterproof construction for high reliability
- * High repeatability and responsibility by no effect from cable length and change of resistance
- * Optimum high sensitivity design by application
- * Built-in high accuracy thermistor and lightning protection

Application

- * Pressure on tunnel linings
- * tangential stresses in shotcrete tunnel lining, suitable for NATM method
- * Embankment dams, to determine magnitude and direction of stresses

Specification

Model	SJ-8200
Sensor type	VW & Standard type
Measurement range	200, 350, 500, 750, 1000, 1500, 2000, 3000 kPa
Resolution	0.025%FS
Accuracy	±1.0%FS
Output	2000 - 3000 Hz
Operatrion Temp.	-20 °C ~ 80 °C
Storage Temp.	-20 °C ~ 80 °C
Dimension	250 X 150 X 6 mm

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