

Description

VW crack meter is installed on crack of concrete structure surfacr or connection to measure crack change.

SJ-3000 is composed of sensor part and anchor fixing part. Both edges of the crack crossing the crack space are fixed with the anchor bolt. The development of the crack size is transmitted to the sensor part through anchor and body and when the vibration wire is magnetized by the magnetic coil due to the tensile force changed the vibration wire will generate the resonant frequency and then this frequency will be transmitted to the output device to display the engineering unit. Two types of the gauge are available for different measurements, so it is optional depending on the crack size. It can be measured semi-permanently using anti-corrosive and rust-resistant materials.

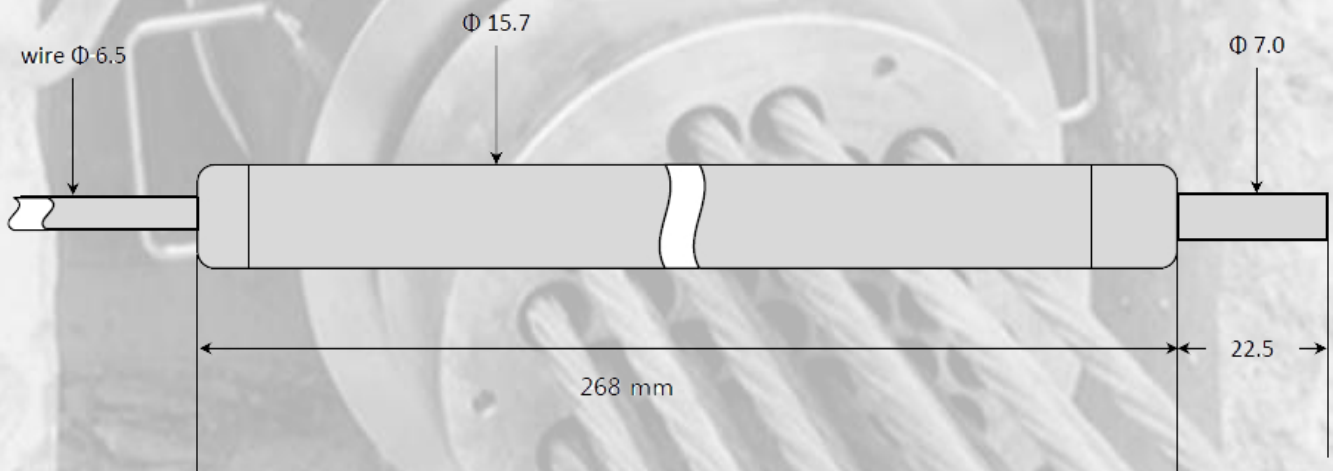


Feature

- * 10m H₂O waterproof structure
- * High accurate resistance temp sensor mounted
- * Various measurement range from 50 to 200mm
- * High stability and high reliability

Component

- * Crack meter main body
- * Anchor
- * Cable
- * Protection cover (option)



Specification

Model	SJ-3000	SJ-3010	SJ-3015	SJ-3020
Measurement range	0 ~ 50 mm	0 ~ 100 mm	0 ~ 150 mm	1 ~ 200 mm
Sensor type	Vibration wire type			
Resolution	0.025% FSR (0.01mm)			
Accuracy	±0.5 % FSR			
Thermal expansion coefficient	11X10 ⁻⁶ /°C			
Operation Temp.	-20°C ~50°C			
Temp sensor	NTC Thermistor(3KD-ATF)			
Temp sensor operation range	Thermistor: -40° C ~ 80° C			
Temp sensor accuracy	Thermistor: ±1° C			
Waterproof capacity	10m H ₂ O			
Main material	Special steel, High density epoxy			
Weight(SJ-3000)	Sensor 0.3 Kg / Anchor(2pcs) 0.08kg			
Dimension(SJ-3000)	L = 290.5mm / D(Ø) = 15.7mm			

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