

Description

Model 7500 measure stress of rebar in structure to check structural soundness and stability.

Model SJ-7500 is strain gauge and direct installation type to rebar, and strain gauge is structured by waterproof and rust-proofing stainless steel tube and connected gauge by flange and coil housing by built-in magnet coil.

This VW sensor is more simple installation than existing type(sensor installation after processing rebar separately), and high responsibility and repeatability and suitable for long time measurement due to no effect almost by secular change.



Feature

- * Excellent reproducibility and responsiveness which is free from cable length or resistance change
- * Perfect waterproof structure
- * High stability and high sensibility
- * High accurate NTC Thermistor mounted.

Component

- * VW rebar stress meter main body
- * Cable
- * Rebar

Specification

Model	SJ-7513	SJ-7516	SJ-7519	SJ-7525
Rebar Diameter(approx)	Ø13mm	Ø16mm	Ø19mm	Ø25mm
Sensor type	VW type			
Measurement Frequency	1,400 ~ 3,200Hz			
Measurement range	3,000µε			
Resolution	0.5µε			
Accuracy	±0.25% FSR			
Non-linearity	±0.5% FSR			
Thermal expansion coefficient	11 × 10 ⁻⁶ / °C			
Operation Temp.	-40°C ~ 90°C			
Temp sensor mounted	NTC Thermistor (3KD-ATF)			
Temp sensor working range	Thermistor : -20°C ~ 50°C			
Temp sensor accuracy	Thermistor : ±1°C			
Material	Stainless steel 300, Fluoro O-ring, High density epoxy potting			
Waterproof	100 m H ₂ O			
Dimension(SJ-7516)	Rebar : L=155mm, D(Ø)=16mm / Sensor : L=52mm, D(Ø) = 32mm			
Weight(SJ-7516)	1.45kg			
Signal cable	Ø0.64mm, 0.235mm ² x 4C Shield SYS cable 2m			

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

Rebar Diameter

Model	SJ-7500	
SJ-7510	D10	Ø 9.53
SJ-7513	D13	Ø 12.7
SJ-7516	D16	Ø 15.9
SJ-7519	D19	Ø 19.1
SJ-7522	D22	Ø 22.2
SJ-7525	D25	Ø 25.4
SJ-7526	D26	Ø 26
SJ-7529	D29	Ø 28.6
SJ-7532	D32	Ø 31.8
SJ-7535	D35	Ø 34.9
SJ-7528	D28	Ø 38.1
SJ-7541	D41	Ø 41.3
SJ-7551	D51	Ø 50.38

