

Electronic Extensometer For Tensile Deformation Test



Picture just for reference

Application

The electronic Extensometer is a sensor that measures the deformation of the test piece. The strain gauge extensometer is a widely used type due to its simple principle and convenient installation.

Electronic extensometers can be divided into axial extensometers, lateral extensometers, and clip extensometers according to the measurement object.

Technical Parameters:

1. Resistance value of strain gauge: 350Ω
2. Supply bridge voltage value: $\leq 6V$ (DC, AC)
3. Output sensitivity: about $2mv / v$
4. Extensometer gauge distance: YYU series 20 ~ 200mm; YYJ series 5 ~ 25mm.
5. Maximum deformation: YYU series 25mm; YYJ series 4mm
6. Output terminal connector: four-core or five-core plug, etc.

The above are general parameters. If users have special requirements, they can be specially produced and provided as required.

Model	Gauge length (mm)	Stroke (mm)	Relative Error	Usage
YYU Deformation/Gauge	500	5,10,25	Class 1	Strand tester
	250			
	200			
	100		Class 1	Use for general tensile testing machine
	(70)			
	50			
	25			
	20			
YYU-Deformation /Gauge SH	100		Class 1	An average strain gauge is used
	50			
	25			
YYJ Deformation/Gauge	10	4	Class 1	Used in fracture mechanics experiments
	5	2		
YYJ-Deformation/Gauge H	25	3	Class 1	Used to measure R values and radial variability
	20	3		
	12.5	3		
YYJ-12J/6	6	12	Class 1	Torsion extensometer
Digital extensometer.	≤500	5,10,25		For tensile testing
high low temperature extensometer.	≤500	5,10,25		For tensile testing
YYU-Deformation /Gauge SH	25、 50、	<1mm		For concrete cement, etc

	100			
YYS Deformation/Gauge	≤50	<5mm	Class 0.5	High precision extensometer

HST GROUP Co., LTD.

NO. 4915, West Jingshi Road, Jinan 250012, PR CHINA.

Tel: +86-159 1008 1986

www.hssdgroup.com - e-mail: admin@hssdtest.com