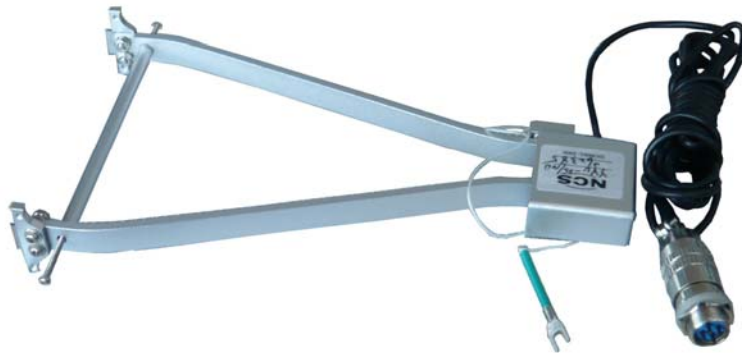


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Electronic Extensometer



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Introduction

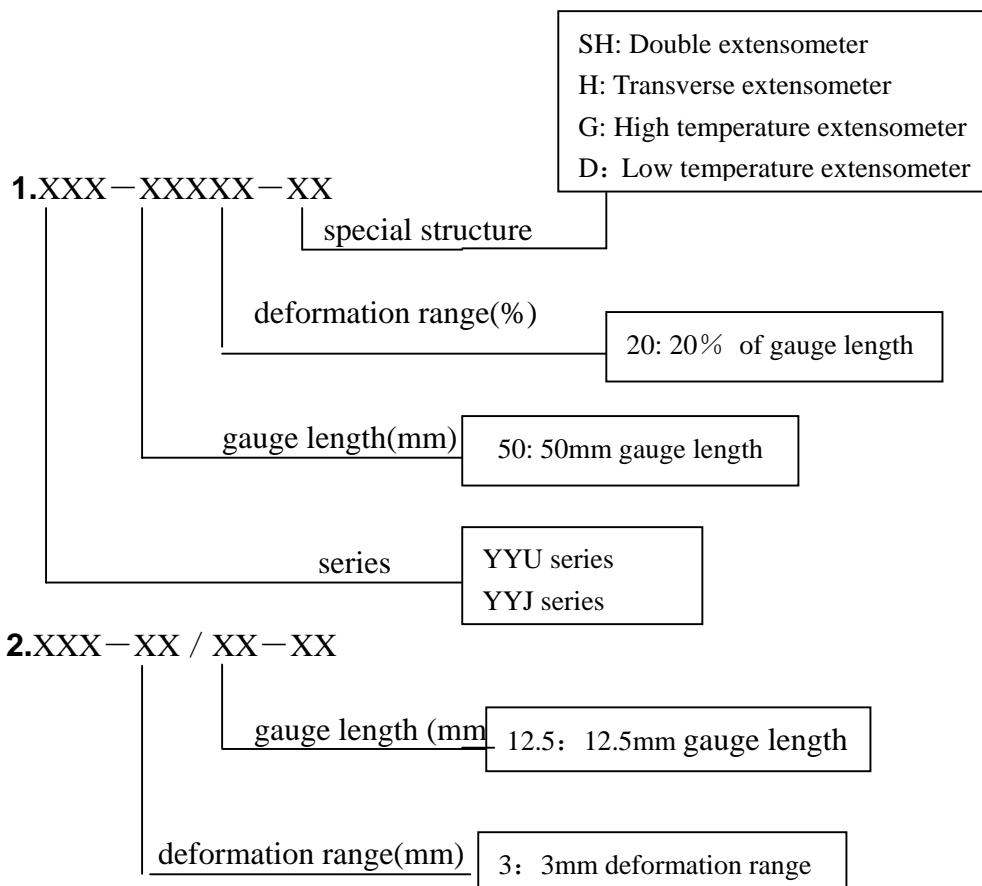
The electronic extensometers made according to resistance strain principle, and have **YYU**, **YYJ** two series. It has a lightweight structure, good stability and is easy to operate. It has become the essential sensor for strain automatic testing and been widely used in various academies, scientific research institutes, factories, laboratories.

Application

1.YYU series mainly used to determine the axis strain. For example, modulus of elasticity E , prescriptive non-proportional extend stretch $R_{p0.2}$, prescriptive general extend stretch $R_{t0.2}$, various elongation percentage, strain hardening index n and other parameters.

2.YYJ series mainly used to determine Rupture Mechanics and transverse strain or radial strain, Such as Poisson's Ratio μ , plastic strain ratio r , K_{IC} , COD and so on.

Two ways of denomination



Specification

Description	YYU	YYU-SH	YYJ	YYJ-SH
Gauge Length	500mm 250mm 200mm 100mm 50mm 25mm 20mm	50mm 25mm	10mm 5mm	25mm 20mm 12.5mm
Strain resistance	350 Ω			
Resolution of output value	2mV/V			
Deformation Range	5mm 10mm 25 mm	5mm 10mm 25 mm	4mm 2mm	25mm 20mm 12.5mm
Supplying voltage	≤6V			
Accuracy	+/-0.5% of FS			

Brochure

Model	Gauge Length (mm)	Deformation (mm)	Error	Note				
YYU	500	5	Better than 0.1%	For steel wire testing				
	250							
	200							
	100							
YYU-SH	50	10		Better than 0.1%	For common tension testing			
	50							
	25							
YYJ	10	25			Better than 0.1%	For mean strain testing		
	5							
YYJ-H	25	4				Better than 0.1%	For fracture mechanics testing	
	20							
	12.5							
YYU-1/ 100-T	100	3					Better than 0.1%	For testing r and radial strain
YYJ-8/6-N	6	3						Concentricity extensometer
Digital display extensometer		1	Torsion extensometer					
High-low temperature extensometer		5 10 25	5 10 25					For tension testing
		5 10 25	5 10 25					Fro tension testing
YYU-SH		Within 1 mm						For testing concrete and rock