

Small Size Automatic Universal Testing Machine



This universal testing machine is operated by servo motor control and computer program control and can be used widely for tests of metal, nonferrous metal, plastic, paper and fiber of tension, strength, compression, and bending. By installed extensometer, operator can get more exact elongation result. The controller is made by high-brightness LCD screen and all of data is displayed as real time, and in the case of the grip for tensile sample, the operator can select hydraulic control type grip and air control type grip.

Model		QRS-S102	QRS-S105	QRS-S11	QRS-S12	QRS-S15
		QRS-S102H	QRS-S105H	QRS-S11H	QRS-S12H	QRS-S15H
Max. Load Capacity (kN)		0.2	0.5	1	2	5
Min. Load Capacity (N)		0.004	0.01	0.02	0.04	0.1
Accuracy		Within ± 0.5 % of the indicated load				
Operation Type		L C D Screen, computer, AC servo motor and ball screw				
Test Speed		0.1~500 mm/min				
Test Control		Load, stroke, strain				
Load Sensor		Load cell				
Testing Speed Control		Computer automatic return, automatic zero, automatic rang, automatic test				
Safety Device		Over load limit switch, micro limit switch				
Tensile	Tensile Test Space (mm)	600				
		1 100				
	Grip for Rods (mm)	Ø1 ~ Ø8		Ø3 ~ Ø10		Ø5 ~ Ø12
	Grip for Plate (mm)	0 ~ 20				
Compression	Plate to Plate (mm)	600				
		1 100				
	Plate Diameter (mm)	Ø80				
Power		1P, AC 220 V, 60 Hz				
Power Consumption (kW)		0.5		1		
Load Dimension (mm)		430 × 340 × 1 012		430 × 340 × 1 012		430 × 340 × 1 012
		430 × 340 × 13 50		430 × 340 × 1 350		430 × 340 × 1 350
Weight (kg)		50		60		75
		55		65		85