Automatic Universal Testing Machine

This universal testing machine QRUTS 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 can be transferred to computer program 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		QRUTS-S105 QRUTS-S105H	QRUTS-S110 QRUTS-S110H	QRUTS-S110 QRUTS-S110H	QRUTS-S150 QRUTS-S150H	QRUTS-S130 QRUTS-S130H	QRUTS-S1300 QRUTS-S1300H
Max. Load Capacity (kN)		0.5	10	10	50	30	300
Min. Load Capacity (N)		0.1	0.2	0.2	0.1	0.6	6
Accuracy		Within ± 0.5 % of the indicated load					
Operation Type		LCD 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 (H 1 000)					
	Grip for Rods (mm)	-	-	-	Ø5 ~ Ø12	Ø5 ~ Ø10	Ø10 ~ Ø25
	Grip for Plate (mm)	0 ~ 10	0 ~ 10	0 ~ 10	0 ~ 12	0 ~ 10	0 ~ 20
Compression	Plate to Plate (mm)	600					
	Plate Diameter (mm)	Ø100	Ø160	Ø160	Ø160	Ø200	Ø160
Power		1P, AC 220 V, 60 Hz		3P, AC 220 V or 380 V, 60 Hz			
Power Consumption (kW)		1		2	2	4	5
Load Dimension (mm)		700 × 400 ×1 600		900 × 500 × 1 560	1 070 × 705 × 1 713	1 100 × 700 × 2 900	1 100 × 700 × 2 200
		700 × 400 × 2 000		900 × 500 × 2 000	1 070 × 705 × 2 110	1 100 × 700 × 2 600	1 100 × 700 × 2 650
Weight (kg)		150		200	200	800	900
		170		250	250	900	1 000