

■ Digital Electronic Tensile/Compression Testing Machine



UE 1201/1202/1205



UE 2201/2202/2205/2210/2220

Introduction

- ◎ High accuracy Load cell, Encoder and optional extensometer to test the force, displacement and extension. Reading resolution can be 1/300000 of full range
- ◎ Speed Servo control from 0.01mm/min to 500mm/min by servo motor.
- ◎ Easy to install many kinds of test grips and accessories to do many kind of test
- ◎ Test result real time and peak value indicating. Force-Displacement and Force- Extension Curve showing option function.
- ◎ Data save and test result printing by Mini-printer optionally.
- ◎ Two kind of user administrate system for common operator and system administrator
- ◎ Option Ethernet socket and computer interface to connect to PC or Laptop by adding software,
- ◎ It can be set a computer control 3 close-loop servo control testing machine by load, displacement and extension

Specification

Model		UE1201/02/05	UE2201/02/05/10/20
Max testing force (kN)		1/2/5	1/2/5/10/20
Valid force measuring range		2%-100% F.S	
Accuracy of force		±1% of indicated value (±0.5% as special order)	
Resolution of force		1/300000	
Resolution of crosshead displacement measurement		0.01 mm	
Displacement accuracy		±1%	
Speed range of crosshead		0.01-500mm/min (Max 1000mm/min as special order)	
Speed accuracy		±1%	
Valid tension testing space		800	800
Compression testing space		900	900
Valid width between columns		/	400
Tension sample	Flat sample thickness(mm)	0-20	0-14
	Round sample diameter(mm)	/	Ø4-14
Crosshead move range		0-1100mm	
Deformation measurement		±1% as optional part	
Connect to PC		By interface and Ethernet cable as optional parts.	
Drive type		Servo Motor with Ball Screw Driver	
Power supply		1P, 220V, 50/60Hz	
Overall dimension of host machine (mm)		600×420×1500	740×600×1800
Weight (kg)		300	550

Standard Accssories

Encoder installed, Load cell installed; Servo motor built in; Control card and display unit;
Flat Tension Grip; Compression Plates; Installation tool and Cables.

Optional Accessories

Strain gauge type Extensometer, Large deformation Extensometer;
Computer interface and software; Computer, Windows Operation System, Printer;

Note: Accessories of Grip or fixture according to different test standard or specimen.
Please check our Optional accessories list page.