

## Digital Display Electronic Universal Testing Machine HLL-1000 Series

**Hoyamo**

**HLL-1000**



### Using Scopes

HLL-1000 Series Digital Display Electronic Universal Testing Machine is applicable for tensile, compression and bending tests of materials with relatively small test force, such as rubber, plastic, textile, waterproofing material, cable, network wire, metal wire, metal rod, metal plate and others. With attaching tools, it can also do compression and bending tests.

### Application

The equipment is applicable to the measurement and analysis of mechanical performance not only metal, non-metal material, but also composite materials. It is widely used in aerospace, petrochemical, machinery manufacturing, wire and cable, textiles, fibers, plastics, rubber, ceramics, food, medicine packaging, plastic pipes, plastic doors and windows, geotextile, film, wood, paper, metal materials and manufacturing. According to GB, JIS, ASTM, DIN, ISO and other standards, it can automatically strike the maximum test force

value breaking force value, yield strength, upper and lower yield strength, tensile strength, compressive strength, elongation, tensile modulus, flexural modulus test data etc.

## Advantages

High-precision and fully-digital speed governing system and precision reducing gear are adopted to drive the precision screw rod to carry out the test, achieving the adjustment of testing speed by a large margin, as well as low noise and stable operation during the test. Operating mode of touch keys and real-time display on LCD digital screen the selection window for testing methods, selection window for testing parameters as well as displaying window for testing operation and testing result, how convenient and efficient.

Achieve different speed levels of beam lifting adjustment when mounting and clamping the specimen, even fine turning, as well as function of overload protection.

Suitable for externally connecting with optional controller.

Various optional testing accessories, meet any of your measurement requirement.

## Technical Specification

Model	HLL-1120	HLL-1220	HLL-1520	HLL-1130	HLL-1230	HLL-1530
Code#	511-101	511-201	511-301	511-401	511-501	511-601
Structural Form	Gate Type					
Max. Testing Force (KN)	0.1	0.2	0.5	1	2	5
Operation Mode	Digital LCD Displayer					
Measuring Range	2%-100% of the maximum testing force					
Relative Error on Indicated Values of Testing Force	Better Than $\pm 1\%$ of the Indicated Value					
Error on Deformation Display	$\pm 1\%$ (Optional $\pm 0.5\%$ )					
Min. Force Resolution	0.01N					
Displacement Precision	$\pm 1\%$ ( $\pm 0.5\%$ Optional)					
Deformation Accuracy	Better than $\pm 1\%$ ( $\pm 0.5\%$ Optional)					
Speed Governing Range	1-500mm/min					
Testing Travelling Distance	>600 mm (can be customized according to needs)					
Testing Space Adjusting Mechanism	AC Servo Motor, Drive by Synchronous Belt					
Carried Standard	GB/T2611, ISO,ASTM,DIN					
Protection Function	Overload Protection, Limit Protection					
Power Supply	220V					
Weight (Approximate KG)	35KG/75KG					
Clamp Type	Each One Piece of Standard Clamp for Tension Test and Compression Test (Optional Clamp If Needed;Special Clamp Can Also Be Customized for Customers)					