



SERVOTEC FULLY AUTOMATIC UNIVERSAL TENSILE MACHINE 2kN

Standard: BSEN 10002-1, ISO 7500-1, ASTM A370

Tensile & Compression

NL Servotec Fully Automatic Universal Tensile Machine out tester adopts DC speed regulating servomotor & reduction gears as the power source. It real time displays test data & test status with LCD module. Professional designed servo control system realizes the PWM pulse width modulation control mode. It really comes up to with test speed closed loop control mode. It is controlled by single chip automatically control.

Main Use & Range

Used for measurement & test of mechanical property & analytical study of metal, non-metal & composite material, such as aviation, petrochemical, machinery manufacture, wire, cable, textile, fiber, plastic, rubber, ceramic, food, medicine packaging, aluminium plastic tube, plastic door & window, geo-textile, film, wood, paper, metal material & manufacture industry & etc.

It can record the max. test force, fracture value, yield value, max. compression value automatically. It can also calculate the fracture extension & all kind of strength value manually. The RA232 connector can do the function of communicating with computer to do the data work. It is a essential equipment for manufacture, construction unit, product quality supervision & inspection bureau & building material test department. It also could be used in the university for teaching purpose.

Main Technical Parameter :

Model Number	NL 6000 X / 022
Max Test Force	2 kN
Structure Type	Single Rigid Column With Single High Precision Ball Screw (Desk Top Version)
Max. Store	900 mm
Max. Width (Space)	150 mm
Test Force Accuracy	Class 1 (±0.5%)
Test Speed Range	0.01 - 500mm/min
Load Resolution	1/250 000
Measuring Range	1% - 100% F . S
Load Reading	Gf, kgf, N, kN, Lbf, etc.
Curves Display	Load/Elongation, Elongation/Time, Time/Elongation, Stress/Strain.
Data Display	Max. Force, Speed, Specimen Detail, Strength(Kpa, Mpa, N/mm, Nmm)
Main Drive Unit	Panasonic Servo Drive & Servo Motor
Software	NL TM2101
Safety Feature	Emergency Stop, Over Load Protection, Upper & Lower Limit Switch Load Sensor with Auto Retreat
Power Source	AC 220 V, 1Ph, 50/60 Hz
Dimension (LxWxH)	640 x 650 x 1470 mm
Approx Weight	120kg

Unit Consists Of :

Model Number	Parts Description	Qty
NL LC - 02	2kN Load Cell	1 Unit.
NL 6000 - B402	Mechanical Aluminium flat Vice Grip	1 Set.
NL LT - 001	Compatible Laptop Unit	1 Unit.
NL TM 2101	Software	1 Copy

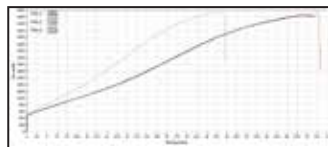
*1 Copy of Manual Instruction



User Setting Page



Test Result Page



Test Curve Page



Curves Display Page

MAIN COMPONENTS