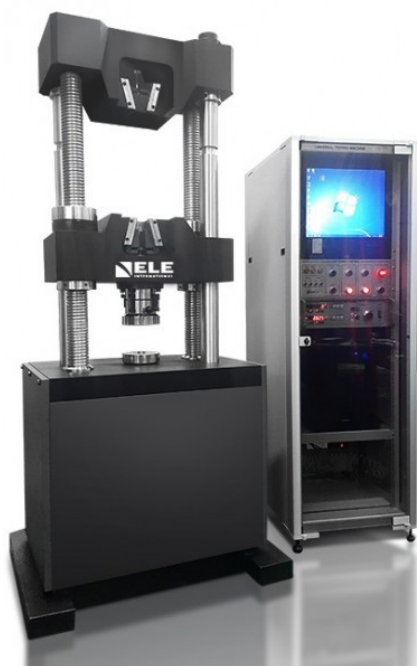




Hydraulic Type Universal Testing Machine 600 kN

Code: 36-2419/05

Product Group: Hydraulic Type Universal Testing
Machines

This Hydraulic Type Universal Testing Machine (UTM) is designed to serve the requirements of laboratories, research and development, quality control, manufacturers and educational fields. Plastic, textiles, fabric, wire, cord, rubber, wood etc. are ideal specimens. Test methods such as tensile, compression, bending, peel, shear, puncture etc. are available on this machine.

Features:

- Four to six column hydraulic type UTM
- High precision load cell, class 1 and class 0.5 calibration
- 1/50,000 force resolution
- 0.5~60mm/min test speed (upgradable option)
- User friendly remote for chuck control
- Overload protection limit sensor
- Emergency power cut off button
- Interchangeable tensile insert grip system

Software features:

- Close loop. Control of load, displacement, extension, stress and strain
- Remote control via software, text execution, data analysis available through RS-232 port
- Software updates and modification installation available via email or remote support
- Diverse and robust configurations for automatic test end options, graph options, PID values, crosshead movement speeds etc
- 15+ different Testing Methods including cyclic, creep, relaxation, keeping etc
- View data and graphs of previously ran tests
- Determine and analyze data points such as yield point, breaking point, modulus etc
- Test report printing options include direct to printer or excel file export
- Test report data can be configured to show only necessary data and to exclude unused data
- Raw data analysis for detailed test data
- Exportable to excel and customizable to show user required data

Specification

Frame Capacity	600 kN
Max tension range	600 kN
Force resolution	1/50,000
Stroke resolution	0.01 mm
Load range	2 steps (100/10 tonf)
Colum style	4 post
Controller	LCD Digital Indicator
Tensile - Max tensile distance	900 mm
Tensile - Grip for round bar	Ø10 ~ Ø25, Ø25 ~ Ø35, Ø35 ~ Ø60 Length 110mm (1 set included + 1 set option)
Tensile - Grip for plate bar	0~30, 30 ~ 60 / Wide : 70, Length 110mm (1 set included + 1 set option)
Tensile - Grip for length	110 mm
Compression - Test stroke	600 mm
Compression - Dia plate	Ø160 mm
Bending test - Bending distance	50 ~ 500 mm
Bending test - Punch tips radius (Ø)	25
Bending test - Punch width	160, 180
Bending test - Roller diameter	Ø50
Table size	910 x 600 mm
Column to column	610 mm
Max ram stroke	200 mm
Crosshead speed	400 mm/min
Cross head motor	Gearedmotor 1/30, 0.75kW
Test speed	0.5 ~ 60mm/min (S/W Control Type)
Load sensor	Load cell (1000 kN)
Stroke sensor	Position meter (0.001 mm)
Hydraulic pump capacity	2.7 cc
Total weight	2200 kg
Loading unit (w x d x h)	1000 × 750 × 2460 mm
Hydraulic unit (w x d x h)	550 × 500 × 550 mm
Computer system unit (w x d x h)	600 x 600 x 1700 mm