



Hydraulic Type Universal Testing Machine 500 kN

Code: 36-2419/05

Product Group: [Hydraulic Type Universal Testing Machines](#)

36-2419/05 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 for the 36-2419/05. 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

Product Sheet

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|--------------------------------------|-----------------------------------------------------------------------|
| Frame Capacity | 500 kN |
| Max tension range | 500 kN |
| Force resolution | 1/50,000 |
| Stroke resolution | 0.01 mm |
| Load range | 2 steps (50/5 tonf) |
| Colum style | 4 post |
| Controller | LCD Digital Indicator |
| Tensile - Max tensile distance | 650 mm (including grips) |
| Tensile - Grip for round bar | Ø6 ~ Ø15, Ø14 ~ Ø26, Ø25 ~ Ø40 Length 90mm (1 set incl. + 1 set opt.) |
| Tensile - Grip for plate bar | 0~15, 15 ~ 40 / Wide : 60, Length 90mm (1 set incl. + 1 set opt.) |
| Tensile - Grip for length | 90 mm |
| Compression - Test stroke | 475 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 | 820 x 550 mm |
| Column to column | 560 mm |
| Max ram stroke | 200 mm |
| Crosshead speed | 400 mm/min |
| Cross head motor | Gearedmotor 1/40, 0.4kW |
| Test speed | 0.5 ~ 60mm/min (S/W Control Type) |
| 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 |