

TruForce

EM Compression Testing Machine | TF-ETM305F

TruForce Electromechanical Compression Testing Machine is ideal solution to determine the compression strength of various building materials.

Standards:

GB/T50081-2002, GB/T17671-1999, EN196, ISO 679, ASTM C 109 and C 349

High Quality at affordable price

- Servo motor driven lead screws and heavy duty bearings provides high stiffness with high reliability and stability
- Robust guidance columns increase lateral stiffness and ensure linear crosshead travel. This results in accurate crosshead alignment thus reducing variability in measurement data and producing better overall accuracy
- Non-clutched drives, rated for full speed at maximum force
- Photoelectrical encoder built in servo motor system is for position measurement of crosshead
- Built-in high precision load cell ensures direct measurement of compression force
- Dual action over-travel limits on all frames provide the highest level of safety and meet all international standards
- Full one-year warranty on parts and labor

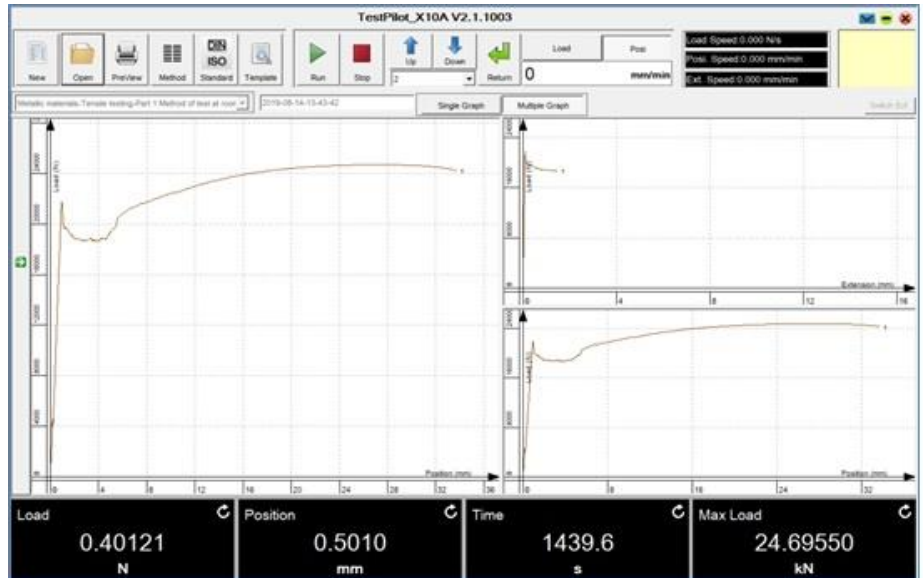


Specifications:

Model	TF-ETM305F
	Compression
Capacity (kN)	300
Accuracy class	Class 1
Force range	0.4~100% of full range (1.2N ~ 300kN)
Columns	2 columns
Distance between columns (mm)	390
Force resolution	1/500000FS
Force accuracy	±0.5% of reading
Loading speed (N/s)	2.4k±200
Distance between platens (mm)	220
Upper platen diameter (mm)	110
Lower platen diameter (mm)	118
Lower platen travel (mm)	100
Lower platen maximum moving speed (mm/min)	50
Motor consumption (kW)	1.5
Power supply	3-phase, 415VAC, 50Hz
Weight (kg)	700

Two steps to start testing: select a project, press start

This software features a large, growing host of pre-packaged test methods to help you quickly and efficiently meet the requirements of global test standards such as ASTM, ISO, DIN, EN, BS, and more. Selected by an operator at runtime, these methods are crafted to meet the specific test flow, analysis and reporting requirements of industry standards across a range of specimen and test types. Pre-packaged test methods are available in a wide selection of bundled sets, including: Polymers & Plastics, Metals, Construction Materials, Biomedical Products, Paper Products, Adhesives, foam, textiles and more.



- Versatile, easy-to-use TruTest software with a large and growing library of standards-compliant test methods (ASTM, ISO, DIN, EN, BS, and more)
- Modular design permits easy upgrading
- Plenty of test standards are built in the library of the software for routine tests.
- User configured report: user can preset report template and include necessary information, like company information, statistics, and etc. Test report can export to Excel or Word.
- Powerful graphic function: real time display curves, like displacement-load, stress-strain, displacement-time, load-times, and others
- Powerful analysis function can calculate typical value and display on the curve, like Fm, ReL, ReH, Rp.
- Measurement unit: Users can select SI, or others, like N, kN, kgf, lbf, MPa, and so on, user can define the unit by themselves using formula.



Modular design is simple for operation and upgrading