

Tensile Testing Machine

HM-V

5 kN



MPM is an authorized distributor of Hoytom Universal Testing Machines. MPM provides installation, maintenance, and calibration services for all equipment sold within the USA.

The HM-V 5 kN model, which is part of the Hoytom PRO series, is made for nominal load cell capacities up to 5 kN. The test machine can also be equipped with an extensive range of fixtures, such as tensile grips, T-slotted plates, compression plates, bending fixtures, extensometers, etc. Each machine includes custom designed electronics for reading the force and displacement on a touch screen. This machine allows the testing of metals, plastics, polymers, composites, wood, textiles, and ceramics in addition to many others.



1. Grips and plates included
2. Extremely rigid frame
 - Minimum deformation during testing
3. Preloaded precision spindle
4. HBM® load cell
5. HoyWin® software (several language available)
6. 21.5 inch touch screen
7. Computer integrated in the machine
8. Remote Control

Optional Accessories:



Perimeter Protection



Extensometers



Special Tools



T-slotted Base Plate

Technical Characteristics

Capacity kN		5
Maximum speed in/min		39.4
Travel in		29.5
Grip spacing in		22.8
Separation between plates in		27.6
Free space (horizontal) in		5.9
Dimensions ft-in	Width	1'1
	Depth	1'11
	Height	4'0
Weight lb		309
Power supply V		220

Force Transducer

Machine accuracy (Class) ISO 7500 and ASTM E4	0.5
Range	0.4% - 100% FS
Resolution	0.001% FS

Displacement Transducer

Type	Incremental encoder on servomotor
Resolution	< 0.000039 in
Accuracy	< 0.1%