

L1 FORCE MEASUREMENT

Metlogix®

MTL-110 Series

Manual Force Tester

The Metlogix MTL-110 Series is a manually-operated, single column force tester. The tester operates using a quick-action lever in either tension or compression directions. Force measurement is performed using a Metlogix digital force gauge.

The MTL-110 can measure force up to 500N. This tester is ideal for component testing and its compact design fits small work spaces.

The MTL-110 has a 152mm stroke. The tester's quick-action lever moves the rack & pinion 76mm per revolution. The lever may be positioned anywhere along the 508mm column, and with a 152mm throat, various samples can be accurately tested.

Options include a digital scale for measuring deflection distance making the MTL-110 ideal for spring testing.

A set of mounting legs are available for horizontal operation.

Features

- Compact footprint fits small work areas
- Easy-to-use quick-action lever
- Precision rack & pinion movement
- Metric and imperial mounting
- Excellent position resolution
- Available scale for deflection measurement

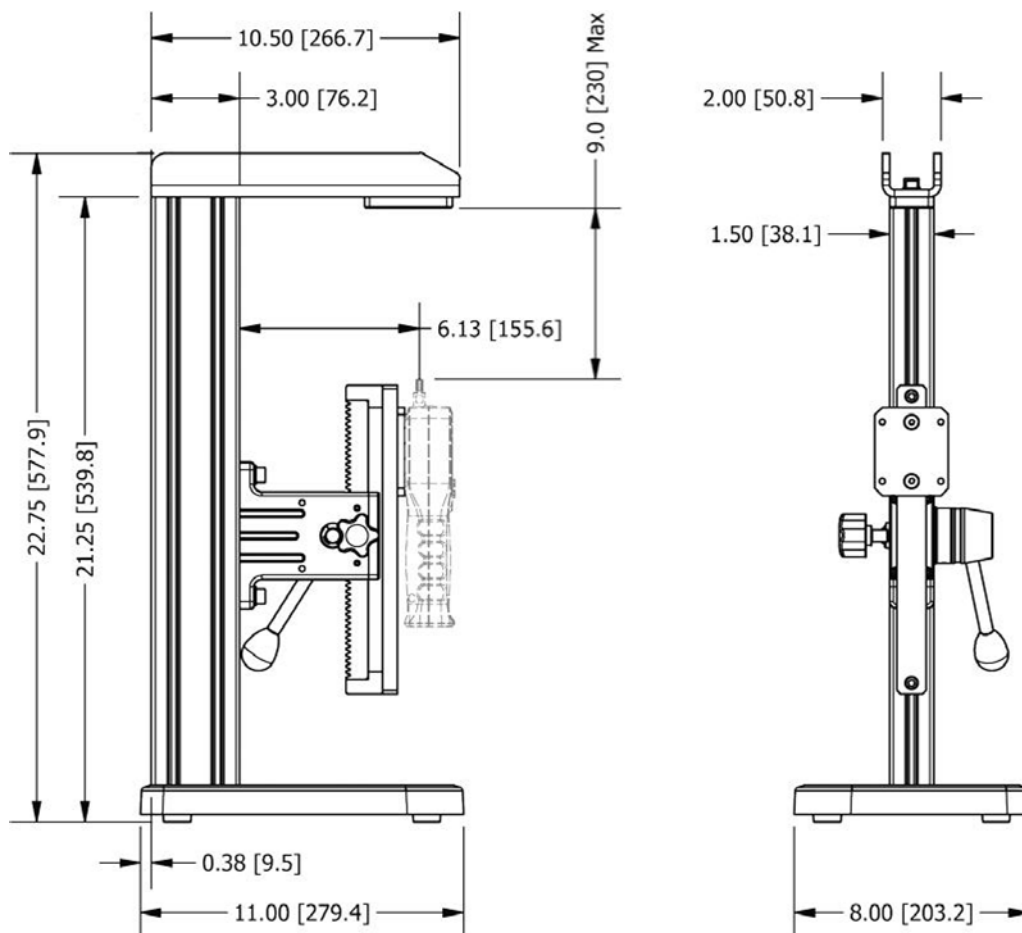
Specifications

	MTL-110
Load Capacity	110 lbf 500 N 50 kgf
Travel- Crosshead	6 inch (152 mm)
Travel- Distance per Lever Revolution	3.0 inch (76mm)
Physical Dimensions	
Height	22.75 Inch (578 mm)
Depth	11 inch (279mm)
Width	8 inch (203mm)
Throat Distance	6 inch (152mm)
Weight (approx.)	18 lbs (8.2kg)
Base Plate Threads	M6 and #10-32
Warranty	2 Years



Shown: MTL-110 force tester with Metlogix DFG digital force gauge

DIMENSIONS



MTL-110 Series - Manual Force Tester, Lever Control

Model	Load Capacity			Crosshead Travel		Resolution/Rotation Throat				Weight		Thread
	N	KGF	LBF	in	mm	in	mm	in	mm	lbs	kg	mm
MTL-110	500	50	110	6	152	3	76	4	102	18	8.2	M6

Information and specifications subject to change without notice.

L1 FORCE MEASUREMENT



MetLogix GmbH
 Gastager Feld 11
 83313 Siegsdorf, Germany
 +49 8662 494910
info@metlogix.de
www.metlogix.de

L1 FORCE MEASUREMENT

Metlogix®

MTL-330 Series

Manual Force Tester

The Metlogix MTL-330 Series is a manually-operated, single column force tester. The tester operates using a quick-action lever in either tension or compression directions. Force measurement is performed using a Metlogix digital force gauge.

The MTL-330 can measure force up to 1500N. This tester is ideal for component testing and its compact design fits small work spaces.

The MTL-330 has a 152mm stroke. The tester's quick-action lever moves the rack & pinion 76mm per revolution. The lever may be positioned anywhere along the 762mm column, and with a 102mm throat, large samples can be accurately tested.

Options include a digital scale for measuring deflection distance making the MTL-330 ideal for spring testing.

A set of mounting legs are available for horizontal operation.

Features

- Compact footprint fits small work areas
- Easy-to-use quick-action lever
- Precision rack & pinion movement
- Metric mounting
- Excellent position resolution
- Available scale for deflection measurement
- Available mounting legs for horizontal operation

Specifications

	MTL-330
Load Capacity	330 lbf
	1500 N
	150 kgf
Travel- Crosshead	6 inch (152 mm)
Travel- Distance per Lever Revolution	3.0 inch (76mm)
Physical Dimensions	
Height	31.44 Inch (798.5mm)
Depth	11 inch (279mm)
Width	8 inch (203mm)
Throat Distance	4 inch (102mm)
Weight (approx.)	20 lbs (9.1kg)
Base Plate Threads	M10
Warranty	2 Years

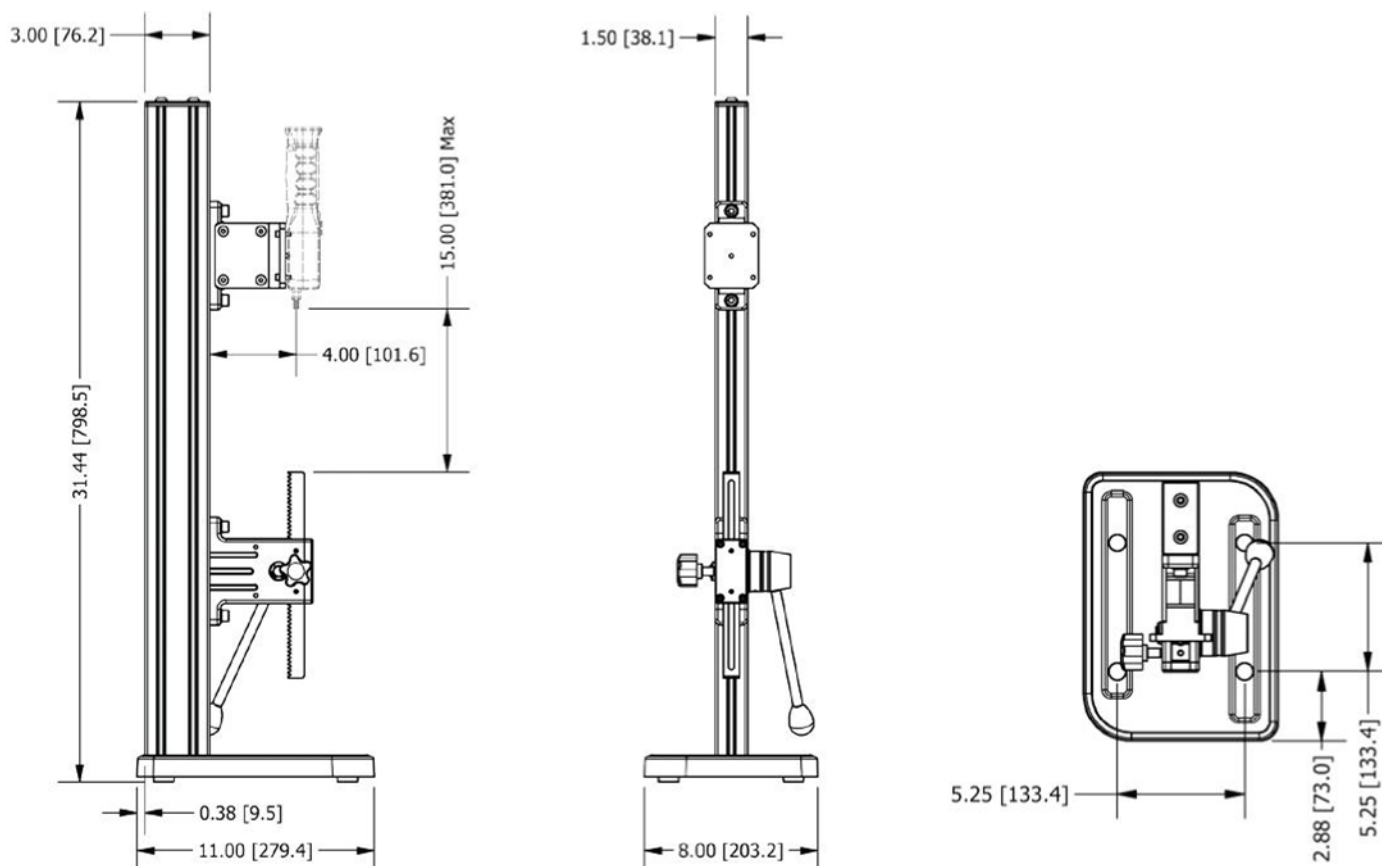


Shown: MTL-330 force tester with Metlogix DFG digital force gauge



Shown: MTL-330 force tester with optional horizontal mounting legs

DIMENSIONS



MTL-330 Series - Manual Force Tester, Lever Control

Model	Load Capacity			Crosshead Travel		Resolution/Rotation		Throat		Weight		Thread
	N	KGF	LBF	in	mm	in	mm	in	mm	lbs	kgs	mm
MTL-330	1500	150	330	6	152	3	76	4	102	20	9.1	M10

Information and specifications subject to change without notice.

L1 FORCE MEASUREMENT



MetLogix GmbH
 Gastager Feld 11
 83313 Siegsdorf, Germany
 +49 8662494910
info@metlogix.de
www.metlogix.de

L1 FORCE MEASUREMENT

Metlogix®

MTH-550 Series

Manual Force Tester

The Metlogix MTH-550 Series is a single column, manually-operated force tester. The MTH-550 has a load measurement capacity of 2000N and can be used for compression or tensile testing. The mechanical advantage afforded by the MTH-550's precision, high-resolution worm gear design lets you test effortlessly. One rotation of the hand wheel positions the crosshead 0.75. Total stroke for the MTH-550 is 102mm. Force measurement is performed using a Metlogix digital force gauge.

The MTH-550 is an ideal, affordable solution for spring testing. Fit the MTH-550 with a digital force gauge and optional digital scale to determine spring rates, initial tension and more.

The hand wheel may be positioned anywhere along the 762mm column, and with a 102mm throat, large samples can be accurately tested. The base may be permanently affixed to your workbench. Optional gauge adapter kits are available for use with non-Metlogix force gauges. Quick-change clevis adapters let you mount a large selection of Metlogix testing fixtures.

Features

- Compact footprint fits small work areas
- Easy-to-use precision handwheel
- High resolution worm gear movement
- Metric mounting
- Excellent position resolution
- Available scale for deflection measurement
- Available mounting legs for horizontal operation

Specifications

	MTH-550
Load Capacity	450 lbf
	2000 N
	200 kgf
Travel- Crosshead	4 inch (102 mm)
Travel- Distance per Lever Revolution	0.03 inch (0.75mm)
Physical Dimensions	
Height	31.44 Inch (798.5 mm)
Depth	11 inch (279mm)
Width	8 inch (203mm)
Throat Distance	4 inch (102mm)
Weight (approx.)	22 lbs (10kg)
Base Plate Threads	M10
Warranty	2 Years

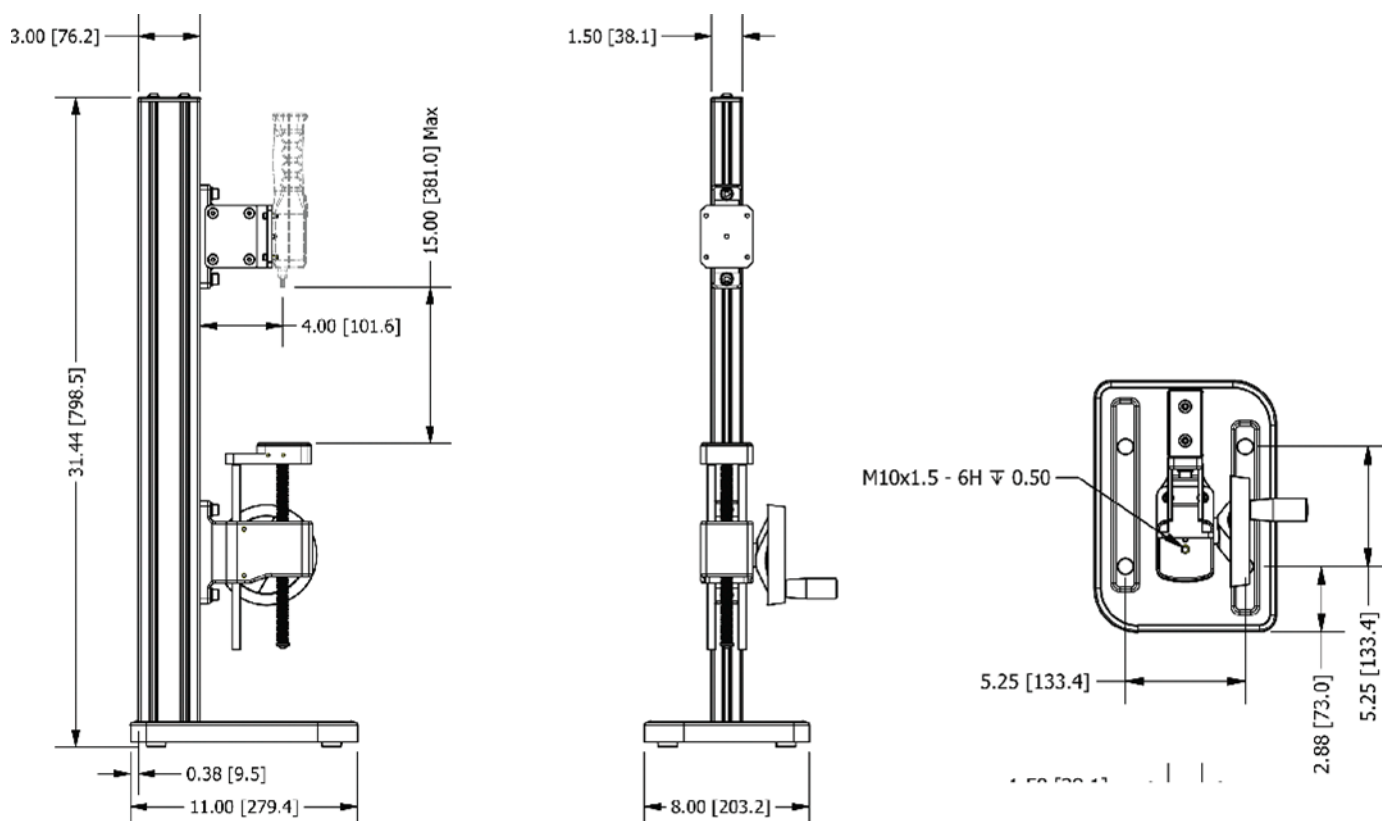


Shown: MTH-550 force tester with Metlogix DFG digital force gauge and optional digital scale



Shown: MTH-550 force tester with optional mounting legs for horizontal operation

DIMENSIONS



MTH-550 Series - Manual Force Tester, Handwheel Control

Model	Load Capacity			Crosshead Travel		Resolution/Rotation		Throat		Weight		Thread
	N	KGf	Lbf	in	mm	in	mm	in	mm	lbs	kgs	mm
MTH-550	2000	200	450	4	102	0.03	0.75	4	102	22	10	M10

Information and specifications subject to change without notice.

L1 FORCE MEASUREMENT



MetLogix GmbH
 Gastager Feld 11
 83313 Siegsdorf,
 Germany
 +49 8662 494910
info@metlogix.de
www.metlogix.de