

# Horizontal Tensile Testing Machine



## 1. Introduction

Horizontal tensile testing machine is designed specifically for tensile testing of overhead conductors, these test frames use a horizontal test opening to accommodate long specimens and high elongation demands.

## 2. Features

1. Large effective bed clearance enables testing of a wide range of specimens, full length specimens; sling construction; high capacity specimens.
2. An adjustable carriage is provided supported on free moving rollers for easy placement of the carriage appropriate to the nominal test specimen length.
3. Frames, fixtures and strain measurement devices can be designed & manufactured to accommodate many types of products that require tensile tests; piston head and cylinder ends fitted with low friction seals.
4. Patent integrated load cell calibration system can calibrate load cell without removing it from machine and calibrate the whole machine instead of independent load cell.

## 3. Technical Parameters

Model	LT-100 WL(Creep)	LT-300/500WL (Tensile)
Test Stations	3	1
Loading Stroke (mm)	1500	
Distance Between Clamps (m)	14	10
Load Capacity (kN)	100	300/500
Accuracy Class (ISO 7500-1)	0.5	1
Load Measuring Range	0.4% ~ 100%F.S.	
Load Indication Accuracy	±0.5%	
Load Resolution	±500000 steps, no range switching	
Extensometer Measuring Range (m)	1-5	1-1.2
Extensometer Accuracy	±0.5%	
Extensometer Resolution (mm)	0.0001	
Displacement Accuracy	±0.5%	

Displacement Resolution (mm)	0.000025	
Load Control Rate	0.05%-10%F.S./s	
Load Control Accuracy	±0.5%	
Moving Speed Range (mm/min)	0.005-500	0.005-250
Machine Dimensions (m)	16.8(L)x1.2(W)x0.7(H)	14(L)x1.5(W)x0.7(H)
Control Method	Servo-Controlled (Closed-loop)	

Product link : <https://www.linttop.com/horizontal-tensile-testing-machine.html>