PMS BECUS MÉTROLOGIE
Précision, Quality, Innovation

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Starrett® MetLogix

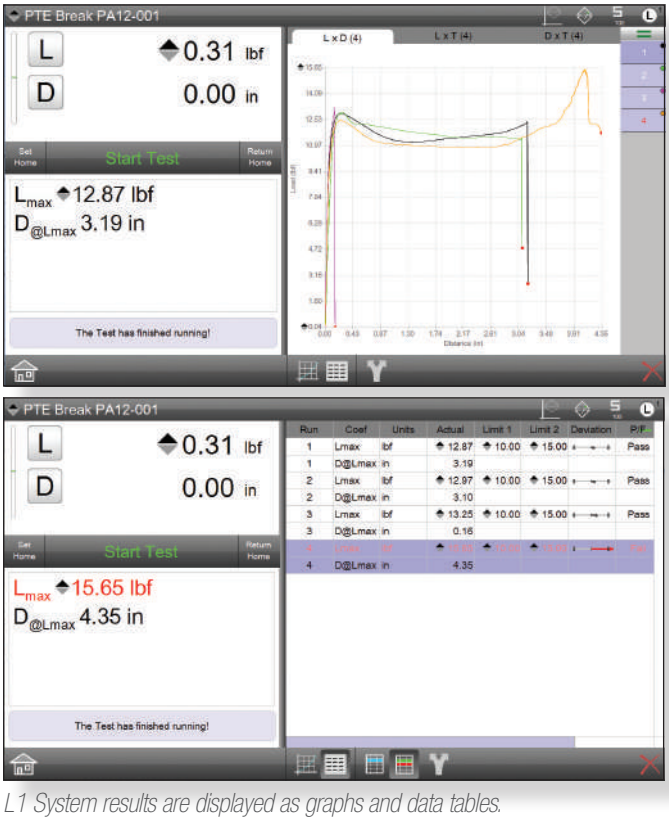
L1 FORCE MEASUREMENT

L1 Systems

Starrett L1 Systems represent our most-basic, computer-based force testing solution. Optimized for production and quality control testing, they are designed to be easy to setup, operate and maintain.

L1 Systems can be used to perform a wide variety of testing methods including:

- Load Limit Testing
- Distance Limit Testing
- Break Limit Testing
- Cyclic Count Testing
- Cyclic Duration Testing
- Constant Load Testing
- Constant Distance Testing



L1 System results are displayed as graphs and data tables.
Test templates let you create tests in seconds.

Software Capabilities

Lx Systems

Lx System Product Comparisons and Capabilities					
Target Applications	**L3**	**L2 Plus**	**L2**	**S2**	**L1**
Use for Stress, Strain and Material Testing applications	❍				
Use for Advanced Load, Distance and Force Analysis applications	❍	❍			
Use for Basic Load, Distance and Force Measurement applications	❍	❍	❍		❍
Use for Advanced Extension and Compression Spring applications	❍	❍			
Use for Basic Extension and Compression Spring applications				❍	
User Interface					
All-In-On Computer Workstation, Windows® OS	❍	❍			
Tablet Computer, Windows® OS			❍	❍	❍
Software Applications					
Test Builder	❍	❍	❍	✪	
Force Quick Test Templates			❍		❍
Spring Quick Test Templates				❍	
Formula Builder	❍	✪	✪	✪	
Automation Builder	✪	✪	✪	✪	
Measurement Methodology					
Measure results using the graph	❍	❍			
Measure results using a List of Value menu	❍	❍	❍	❍	
Create Test Setups using Graphical Test Methods (No programming)	❍	❍	❍	❑	
Create Test Setups using Quick-Test Templates			❍	❍	❍
Test Methods					
Tensile Testing, Load, Distance, Break, Rate	❍	❍	❍	❑	❍
Compression Testing, Load, Distance, Break, Rate	❍	❍	❍	❑	❍
Hold Testing, Load, Distance for Duration or Event	❍	❍	❍	❑	❍
Cyclic Testing for Duration, Count, Loop or Event	❍	❍	❍	❑	❍
Shear Testing	❍	❍			
Flexural Testing	❍	❍			
Peel Testing	❍	❍			
Coefficient of Friction Testing	❍	❍			
Spring Testing	❍	❍		❍	
Measurement Capabilities					
Measure Stress, Strain, Elongation, Strengths	❍				
Measure Offset Yield	❍				
Measure Modulus (Elastic, Chord, Tangent)	❍				
Measure Strain and Elongation using Extensometer(s) (requires MMx test frames)	❍				
Measure Energy, Work, Resilience	❍	❍			
Create Mathematical Expressions using Algebraic, Trigonometric and Logarithmic functions	❍	▷			
Create Basic Expressions using Add, Subtract, Multiple and Divide	❍	▷	▷	▷	
Use Digital I/O	▷	▷	▷	▷	
Use Analog I/O (requires MMx test frames)	▷	▷			
Use Command and Conditional Logic	▷	▷	▷	▷	
Measure Load, Distance, Time	❍	❍	❍	❍	❍
Measure Minimum, Maximum and Averages	❍	❍	❍	❍	❍
Measure Slopes and Intersections	❍	❍			
Measure Peaks, Valleys, Counts, Averages	❍	❍			
Measure Break, Rupture	❍	❍	❍	❒	❍
Measure Delta between results within a test	❍	❍	❍		
Measure results within multiple test runs simultaneously (multiview)	❍	❍			
Measure Spring Rate, Spring Constant	❍	❍		❍	
Reporting and Exporting Data					
Print using standard reports, graph, batch, tolerance, statistics	❍	❍	❍	❍	❍
Export results/data in .csv for custom reporting	❍	❍	❍	❍	❍
Export results/data in .csv for integration with SPC software	❍	❍	❍	❍	❍
Include tolerances on any result	❍	❍	❍	❍	❍

Note: FMM frames run L1 software only
L3, L2 Plus, L2 and S2 software require a FMS, MMS, FMD or MMD frame

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