

Data processing software for Load Testor LTS-B series

2023/12/27

Features



- Analyzes the strength characteristics of various materials and products in conjunction with a tensile-compression testing machine.
- Provides powerful report creating functions by allowing graphs and test results to be inserted into other applications, and graphs to be created freely, using output as [.txt] and [.wmf] format files.
- Double graph screen allows single graphs and overlaid graphs within lots to be checked even while testing is in progress.
- Additional tests are possible even after the lot has been completed.

Specification

Specification name	Specification contents
System requirements	
Compatible operating	Windows10 (*Windows is the registered trade mark in the United States and other nations of Microsoft Corporation)
CPU	Intel Pentium (Dual core or Single core) Clock speed 2 GHz or more
Memory	1GB or more
Input device	CD/DVD drive x 1 unit
Output device	USB port (for the standard sampling spec.)
Specifications	

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Specifications	
Standard testing software SR-09-001 (for LTS-B series)	Supports tensile, compression, bending (3-/4-point) testing. Equations and items can be altered as required.
Analysis items	<p>Test sample cross-sectional area, Elastic modulus, Elasticity gradient (spring constant) (up to 3 points), Upper yield point, Lower yield point, Yield strength point, Intermediate test force point (up to 6 points), Intermediate displacement point (Up to 6 points), Maximum test force point, Rupture point The testing force, the stress, displacement and the strain have been calculated,</p> <p>Initial tensile resistance, fineness, and specific gravity can be analyzed for thread testing.</p> <p>Statistical processing (up to 50 in lot)</p> <p>Mean value, standard deviation, standard deviation $\times 3$, maximum value, minimum value, median, maximum value - minimum value, coefficient of variation, JIS K 6301 mean, sum, square of sum, number of N</p>
Peeling, tearing, and friction test software SR-09-002 (for LTS-B series)	Supports 90°, 135°, 180° peeling testing, tearing testing, and friction testing.
Analysis items	<p>Maximum peak point, minimum bottom point, First peak point, first bottom point, Rupture point, Intermediate displacement point (up to 6 points), Extension origin Test force, converted test force, unit test force, displacement, peeling distance</p> <p>Integral mean, Simple mean, Peak point mean, bottom point mean, Peak and bottom point mean, Tearing test force 6-point mean of small & large peak points, Mean of intermediate displacement for 2, 3, 4, 5 and 6 points, Collection mean, Tearing strength Test force, converted test force, unit test force</p> <p>Dynamic coefficient of friction, static coefficient of friction</p> <p>Energy, Number of peak and bottom points, Statistical processing (up to 50 in lot)</p> <p>Mean value, standard deviation, standard deviation $\times 3$, maximum value, minimum value, median, maximum value - minimum value, coefficient of variation, JIS K 6301 mean, sum, square of sum, number of N</p>