

No.167 Mullen type Bursting Tester (Digital type)



■ APPLICATION

This instrument measures bursting strength of paper, cardboard, corrugated cardboard woven fabrics and rubber-coated fabrics, etc. and is available in two models viz. a low pressure type model and a high pressure type. Both models widely incorporate high-tech mechanism and are designed with emphasis on better performance and ease of operation and have considerably different image than that of the former fully mechanical types of Mullen Type Bursting Tester. These are new types of machine especially designed in response to the needs of time such as stability of data, processing and safety of operation.

■ FEATURES

- Stable clamping pressure is applied to sample by compressed air system.
- Feeding rate of pressure applying liquid (glycerin) is stable and has no link with load pressure.
- Safety mechanism is used in sample clamping unit.
- The mechanism is so designed that height of the rubber diaphragm can be adjusted without supplementing glycerin.
- When some miss-operation such as operation without a sample occurs, the auto return mechanism operates.
- Suitability of expansion under specified pressure of rubber diaphragm can be automatically checked by means of a jig supplied with the machine.
- Hard rubber diaphragm can be automatically conditioned or adjusted by means of supplied jig.
- Equipped with cross mode to indicate strength of rubber diaphragm at the time of determining true value of bursting strength of sample. (JIS L 1018, L 1096)
- Data can be printed out by printer or communicated through RS232C interface. (Option) Bursting strength variation curve can be obtained by recorder. (Option)

■ SPECIFICATIONS

Model	M2-LD (Low pressure type)	M2-HD (High pressure type)
Pressure gauge	Max. 2000kPa	Max. 7000kPa
Glycerin feed rate	95±5ml/min.	170±10ml/min.
Sample clamping system	Automatic pneumatic clamping (300 to 1177kPa)	
Clamp dimensions	Upper <ul style="list-style-type: none"> ■ Outer dia. Ø70mm ■ Inner dia. Ø30.48mm Lower <ul style="list-style-type: none"> ■ Outer dia. Ø31.5mm ■ Thickness 3.18mm 	Upper <ul style="list-style-type: none"> ■ Outer dia. Ø100mm, ■ Inner dia. Ø31.5mm Lower <ul style="list-style-type: none"> ■ Outer dia. Ø31.5mm ■ Thickness 5.6mm
Safeguards	<ul style="list-style-type: none"> ■ Finger protection mechanism ■ Glycerin scattering prevention ■ Overload protection ■ Drive safety limiters 	
Interface	RS232C	
Power requirement	Single-phase, AC100V, 50Hz or 60Hz, 0.3kVA	Single-phase, AC100V, 50Hz or 60Hz, 0.5kVA
Compressed air requirement	0.4MPa minimum	
Dimensions	Approx. W350 x D380 x H500mm	
Weight	Approx. 70kg	
Related standards	ISO 2758 (Paper & Cardboard) JIS P 8112 (Paper & Cardboard) JIS L 1018 (Woven fabric) JIS K 6328 (Rubber-coated cloth)	ISO 2759 (Paper & Cardboard) JIS P 8131 (Paper & Cardboard) JIS L 1096 (Woven fabric) JIS K 6328 (Rubber-coated cloth)

■ OPTION

Name	Model
Small Printer	M-P3

No.167 Mullen type Bursting Tester (Analog type)



Analog pressure gauge (Standard)



Digital pressure gauge (Option)


■ APPLICATION

Measures bursting strength of paper and woven cloth, etc. Available in two types, namely low pressure type and high pressure type.

■ SPECIFICATIONS

Model	E-L (Low pressure type)	E-H (High pressure type)
Pressure gauge	2 types of gauge can be selected from below. <ul style="list-style-type: none"> ■ 0-500kPa ■ 0-1000kPa ■ 0-2500kPa 	2 types of gauge can be selected from below. <ul style="list-style-type: none"> ■ 0-2500kPa ■ 0-5000kPa ■ 0-7000kPa
Power requirement	Single-phase, AC100V, 50Hz or 60Hz, 0.3kVA	Single-phase, AC100V, 50Hz or 60Hz, 0.5kVA
Dimensions	W300 x D530 x H480mm	W300 x D600 x H480mm
Weight	Approx. 50kg	
Related standards	ISO 2758 (Paper & Cardboard) JIS P 8112 (Paper & Cardboard) JIS L 1018 (Woven fabric) JIS K 6328 (Rubber-coated cloth)	ISO 2759 (Paper & Cardboard) JIS P 8131 (Paper & Cardboard) JIS L 1096 (Woven fabric) JIS K 6328 (Rubber-coated cloth)

■ OPTION

Name	Model	Photo
Digital type pressure gauge	<ul style="list-style-type: none"> ■ D500 (0-500kPa) ■ D1000 (0-1000kPa) ■ D5000 (0-5000kPa) <p>Accuracy: $\pm 0.25\%$ against full scale</p>	

Specifications are subject to change without notice.

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