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## **No.167 Mullen Type Bursting Tester (Digital type)**



Printer: Option

### **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 (M2-LD) and a high pressure type (M2-HD). 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**

1. Stable clamping pressure is applied to sample by compressed air system.
2. Feeding rate of pressure applying liquid (glycerin) is stable and has no link with load pressure.
3. Safety mechanism is used in sample clamping unit.
4. The mechanism is so designed that height of the rubber diaphragm can be adjusted without supplementing glycerin.
5. When some miss-operation such as operation without a sample occurs, the auto return mechanism operates.
6. Suitability of expansion under specified pressure of rubber diaphragm can be automatically checked by means of a jig supplied with the machine.
7. Hard rubber diaphragm can be automatically conditioned or adjusted by means of supplied jig.
8. 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)
9. 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 (300-1177kPa)	
Clamp dimensions	Upper: Outer dia. Φ70mm Inner dia. Φ30.48mm Lower: Outer dia. Φ31.5mm Thickness 3.18mm	Upper: Outer dia. Φ100mm, Inner dia. Φ31.5mm Lower: Outer dia. Φ31.5mm thickness 5.6mm
Interface	RS232C	
Required Air pressure	0.3MPa	0.4-0.6MPa
Safety measures	1) Finger protection mechanism 2) Glycerin scattering prevention 3) Overload protection 4) Drive safety limiters	
Option	Printer, Recorder	
Testing method	JIS P 8112 (Paper & Cardboard) ISO 2758 (Paper & Cardboard) JIS L 1018 (Woven fabric) JIS K 6328 (Rubber-coated cloth)	JIS P 8131 (Paper & Cardboard) ISO 2759 (Paper & Cardboard) JIS L 1096 (Woven fabric) JIS K 6328 (Rubber-coated cloth)
Electrical	AC100V, 1-P, 3A	AC100V, 1-P, 5A
Dimensions	35(W) x 38(D) x 50(H)cm	
Net weight	Approx. 70kg	