

557 | Friction Tester Model HM-3

Horizontal Plane Method



■ APPLICATION

- The **Friction Tester HM-3** measures coefficient of friction of plastic film and paper, etc.
- The Coefficient of Static Friction (μ_S) and Coefficient of Dynamic Friction (μ_D) are digitally displayed for direct reading.
- It is designed to conduct tests according to ISO 8295 (JIS K 7125) for plastic film and JIS P 8147 for paper and can test sample as large as A4 size.

■ FEATURES

- Measurement graph can be displayed on LCD touch-screen.
- Test results can be saved up to 100 data.
- Test results can be output to thermal printer or data processing software. (Optional)
- Load indication is range-less.
- Safety cover is available. (Optional)

SPECIFICATIONS

Model	HM-3
Table	● Glass plate (W330 x D225, t=5) ● SUS plate #400 (W330 x D225, t=5) <i>(To be selected upon order)</i>
Table travel distance	1 to 200mm
Table speed	5 to 1500mm/min.
Load cell capacity	● 10N (For 200g sled) ● 20N (For 1000g sled) ● 50N <i>(To be selected upon order)</i>
Force magnification	Range-less
Load indication resolution	0.001N
Minimum static friction detection load	0.100N
Sled	● 200g, 63 x 63mm (For plastic film & sheet conforms to ISO 8295) ● 1000g, 60 x 100mm (For paper & paperboard conforms to JIS P 8147) <i>(To be selected upon order)</i>
Measurement item	● Coefficient of Static Friction ● Coefficient of Dynamic (Kinetic) Friction
Power requirement	Single-phase, AC100 to 240V, 50Hz or 60Hz, 0.2kVA
Dimensions	W540 (Max.630) x D350 x H280mm W650 x D350 x H330mm (Including safety cover)
Weight	Approx. 19kg Approx. 20kg (Including safety cover)
Related standards	ISO 8295 (JIS K 7125) JIS P 8147 <i>(To be selected upon order)</i>

■ STANDARD ACCESSORIES & OPTIONS

◎Standard (To be selected upon order) ○Option

	Name	Model (Part No.)	Photo	HM-3
1	Load cell, 10N (For 200g sled)	-----	-----	◎*1
2	Load cell, 20N (For 1000g sled)	-----	-----	◎*1
3	Load cell, 50N	-----	-----	○
4	Sled, 200g, 63 x 63mm (For plastic film & sheet, ISO 8295 / JIS K 7125)	-----		◎*2
5	Sled, 200g, 63.5 x 63.5mm (For plastic film & sheet, Reference standard: ASTM D 1894*) *Discontinued standard	-----		○
6	Sled, 1000g, 60 x 100mm (For paper & cardboard, JIS P 8147)	-----	-----	◎*2
7	Data processing software	D3	-----	○
8	Mini thermal printer	PS-B1	-----	○
9	Table speed: 5 to 2000mm/min. option	SP-M20	-----	○
10	Safety cover	ASC-LS	 Note: Actual safety cover is transparent	○
11	Magnet holder type table	TBL-MG	-----	○
12	Sled with magnet holder, 63 x 63mm, 200g	SL-MG2	-----	○
13	Sled with magnet holder, 60 x 100mm, 1000g	SL-MG1	-----	○

*1 Please select either load cell of 10N or 20N upon order.

*2 Please select either sled of 200g or 1000g upon order.

Specifications are subject to change without notice.



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