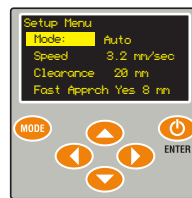


Motorized Durometer Stand

Consistent Hardness Testing of Rubber and Plastics

Model: YMS-L and YMS-H

- OLED display is visible in dark environments
- Simple operation: Press the MEASURE button
- Modes: Auto and Manual (TK Mode with optional TK durometer)
- Auto height adjustment achieves uniform measuring height automatically
- Fast Approach and slow to measuring speed to minimize overshoot
- Auto Contact adjusts the durometer to make full, even contact with the sample surface.
- Timer Hold: 0.5 – 9.9 in 0.1 sec increments, 10 – 99 in one sec increments.
- External Control: Use ASCII commands to start, stop and output data.
- Program menu security lock
- Rugged metal construction



OLED screen and controls



CE FC IC

YMS motorized durometer stands are designed for consistent hardness testing of rubber and plastics using constant load, speed and time controls to meet ASTM D2240 standards. Auto height adjustment achieves uniform measuring height automatically. Multiple scales can be tested using the appropriate durometer, auto contact adapter and weight.

Programming

YMS motorized stands are easily programmed using push-buttons and highly visible OLED menu screens. Selectable Auto or Manual modes with timer hold and digital speed control up to 20mm/sec. Fast Approach starts tests at maximum speed combined with selectable clearance, which slows movement to the preset measuring speed to avoid overshoot.

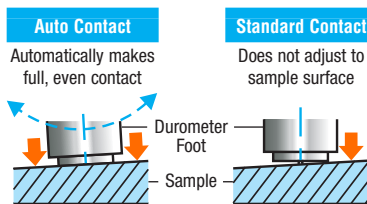
Auto Contact

YMS motorized stands also feature auto contact which enables the durometer to align perpendicularly to the sample to make full, even contact.

External Control

Use ASCII commands to start, stop or output results. Or use the open collector contact signal to start and stop.

Close Up View



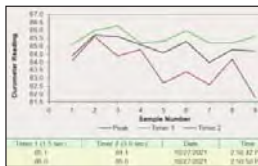
Optional TKD Digital Durometer

- Program with simple menus and push-button operation
- Controls Mode function of YMS stand
- Records peak and timer data



Optional Data Acquisition Software

SW-1-TK is a highly customized Excel spreadsheet that captures and analyzes data from TK digital durometers. The spreadsheet provides a running log of peak and timer measurements along with a profile and statistical information including max, min, mean, and standard deviation. Start or stop testing by clicking buttons in the software.



SW-1-TK Data Acquisition Software

Models & Scales

Model	For Durometer Scale	Standard
YMS-L	Shore A	ASTM D2240, ISO 868, 7619
	Shore B	ASTM D2240
	Asker C	JIS K7312
	Shore E	ASTM D2240
	Shore O	ASTM D2240
	Shore OO	ASTM D2240
YMS-H	Shore C	ASTM D2240
	Shore D	ASTM D2240, ISO 868, 7619
	Shore D0	ASTM D2240

Specifications

Item	Description
Modes	Auto, Manual
Speed	0.5 - 20.0 mm/sec
Units	Selectable mm or inches
Timer	0.5 – 9.9 in 0.1 sec increments 10 – 99 in 1 sec increments
Clearance	45mm with TKD durometer 95mm without coupling
Throat	70mm

Specifications subject to change without notice.