



PAPER TESTING ASSOCIATION

# PAPER Testing Equipment

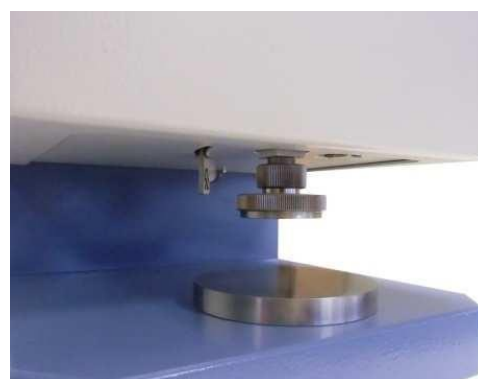


## UNIVERSAL MICROMETER MU-25

Code. 010127

Especially suitable to measure the thickness of various materials, paper, tissue, etc.

**Applicable standards:** ISO 534, UNE-EN ISO 12625-3, TAPPI T411, SCAN P7, P11, P47, FEFCO #3, etc.



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**OpTest Equipment Inc.**

[www.optest.com](http://www.optest.com) - [sales@optest.com](mailto:sales@optest.com) - +1-613-632-5169

### CHARACTERISTICS:

- Possibility to measure the thickness on different type of materials. Just exchanging the measuring pin and the load weights, the micrometer will be configured to measure paper, tissue or cardboard samples. When placing an order, it must be specified work standard, to configure the equipment with the adequate measuring pin and load weights.
- USB connection to printer, with printing of result values and mean values.
- Timer for test cycles.
- Measuring resolution 0,001 mm.
- Electrical ascent and descent of the measuring pin.
- Measuring range: 0-25 mm.
- Sample support: Ø 80 mm.
- Lowering speed adjustable from 1 to 11 mm/min.
- Dwell time adjustable from 0-999.9s.
- Compatible to Novilog.
- Only one keystroke for calibration.
- CE mark

### USER INTERFACE:

- Machine controlled by means of a touch screen and an auxiliary button.
- Through the visualization and control screen, the total control and configuration of the machine can be managed.
- Easy and intuitive operation of the control menu, configurable in different languages.
- Result table with a maximum of 10 test results. Thickness and bulk density results.
- Possibility of display the test results in graphic way.
- Statistical control. Mean value, standard deviation and maximum and minimum values.
- Different configurable units.
- Periodical program updates (without additional cost).

Nº	mm	g/mm³	Nº	mm	g/mm³
1	0.097	0.829			
2	0.097	0.829			
3	0.096	0.838			
4	0.099	0.812			
5	0.096	0.833			
DELETE			$\bar{x}$	0.097	0.828
			$\sigma$	0.001	0.010
			Max	0.099	0.838
			Min	0.096	0.812

Inst.	0.099 mm	
Measuring...		Std.: 1/5
		t: 0.4s
←	TEST	STOP

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### OPERATION MODES:

The Micrometer can operate in different modes:

- Manual mode. The measuring pin is ascended and descended manually by pushing the correspondent buttons in the screen.
- Automatic mode. Single measure. In this mode, after pushing the Test button, the measuring pin will descend, will remain over the sample a predetermined time, and then will elevate again.
- Automatic mode. Cycle Test. In this mode, after pushing the Test button, the measuring pin will descend, will remain over the sample a predetermined time, and then will elevate again. This operation will be done in a continues way the number of times predetermined, with the interval of time predetermined between each measure.

### CONNECTIONS:

Electric: 220 V ó 110V, 50/60 Hz

### WEIGHT AND DIMENSIONS (EQUIPMENT ONLY):

200 x 250 x 370 mm (AxFxH) / 30 Kg

### WEIGHT AND DIMENSIONS WITH PACKAGING:

360 x 380 x 560 mm (AxFxH) / 40 Kg

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