

TESTING INSTRUMENTS FOR
A MEASURABLE DIFFERENCE...

IDM
instruments

DIGITAL PRECISION THICKNESS MICROMETER

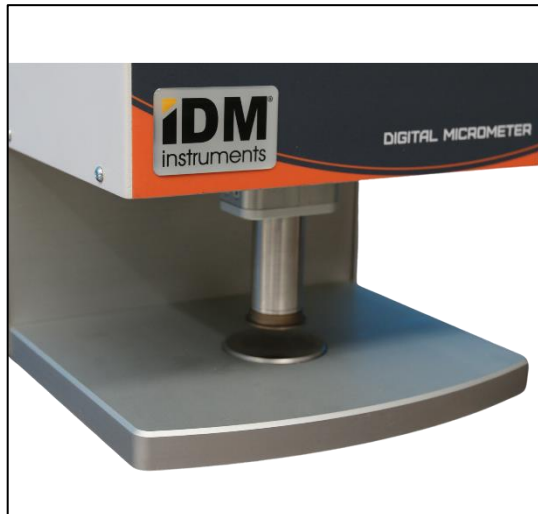
D0011 SERIES



INTRODUCTION

The Digital Micrometer is used to measure the thickness of paper, plastic, tissue and other sheeted material. It automatically cycles up and down at the push of a button, providing an accurate and repeatable thickness reading at the end of each cycle. The robust design Digital Micrometer is provided with two plane, parallel, circular pressure faces, between which the material is placed for measurement.

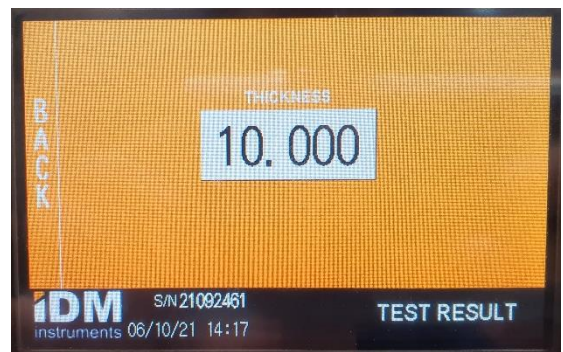
The standard instrument comes with a measuring pressure of 2kPa, with the option of 20kPa, 50kPa or 100kPa instrument dependent on your application and requirements. The pressure feet are easily interchangeable to allow for quick and precise testing every time.



Precision pressure feet allow for quick and accurate testing every time.



PLC touch-screen with single touch-button press operation.



Optional Software package – IDM-D0011-OP1

The software allows operators to run tests using the computer and displays results as a graph as well as a table for test data. The software has the following features:

- Exporting results to desired formats (e.g. Microsoft Excel, Notepad, etc.)
- Print results and saved for later retrieval
- RS-232 output

MODELS & SPECIFICATIONS

Model	IDM-D0011-M1	IDM-D0011-M2	IDM-D0011-M3	IDM-D0011-M4
Pressure	2 kPa	20 kPa	50 kPa	100kPa
Resolution	0.001mm			
Range	0 -12mm			
Anvil	55mm Ø			
Pressure Foot	35.7mm Ø	35.7mm Ø	16mm Ø	16mm Ø
Accuracy	±0.001			
Lowering Speed	1 ± 0.1mm/ sec	± 0.1mm/ sec	0.8 ± 0.1mm/ sec	1 ± 0.1mm/ sec
Parallel	Better than 5µm			
Output	RS232			
Machine Weight	18.5 kgs			
Machine Dimensions	D: 270 mm x W: 250 mm x H: 300 mm			
Packaged Weight	23 kgs			
Packaged Dimensions	D: 500 mm x W: 500 mm x H: 500 mm			
Connections	Electrical: • 220/240 VAC @ 50 HZ or • 110 VAC @ 60 HZ (please specify when ordering)			

APPLICATIONS & STANDARDS

Paper & Carton Board	<ul style="list-style-type: none"> • ISO 534 • TAPPI T411 • AS 1301
Plastic Film	<ul style="list-style-type: none"> • ASTM 6988 • ISO 4593 • DZIN 53370
Flexible Packaging	<ul style="list-style-type: none"> • ASTM F2251
Adhesive Tape	<ul style="list-style-type: none"> • ASTM 3652 • DIN EN 1942
Textile, Non-woven, Floorings, Carpets	<ul style="list-style-type: none"> • ASTM D1777 (Part 1, 2, 4, 5, 7) • ASTM D5199 • ISO 2589 • ISO 5084 • ISO 9073-2 • EN 428
Tissue	<ul style="list-style-type: none"> • ISO 12625

WARRANTY AND CALIBRATION SERVICES

- **1 year Warranty**
- Our **Preventive Maintenance and Calibration (PM&C) program** has been designed to make the maintenance and calibration of your valuable testing equipment more cost effective by preventing breakdowns and downtime by regular calibration, service and replacement of defective parts. Talk to us about this today.