



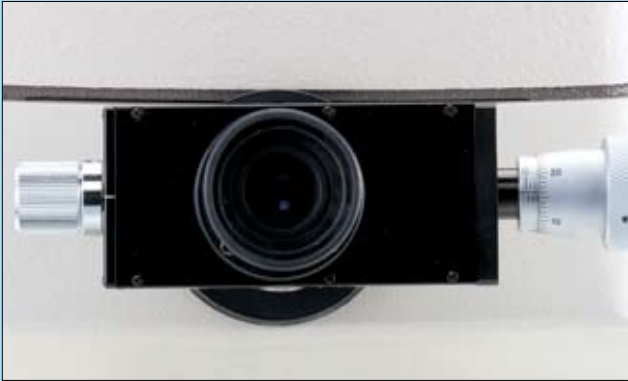
BUEHLER®
MICROMET® 5101
Microindentation Hardness Tester

- **Affordable Analog Tester with Manual Control**
- **Two Objectives and Single Indenter**
- **Choice of Vickers or Knoop**
- **Precision Analog Filar with 0.5 μ m Resolution Readout**
- **Powerful Halogen Illuminator with Adjustable Aperture Diaphragm and Removable Green Filter**

BUEHLER® MICROMET® 5101

Specifications

MICROMET® 5101 Microindentation Hardness Tester, with analog control and an eight step 10gf – 1000gf test load range (10gf, 25gf, 50gf, 100gf, 200gf, 300gf, 500gf, 1000gf). Tester features manual turret rotation carrying two objectives (10x and 50x) and one indenter position with a choice of Vickers or Knoop indenter mounted. Direct verification calibration of the tester and included test block is provided to ASTM E 384-99. A manual analog filar eyepiece reading in 0.5µm minimum increments provides cost effective indentation measurement. A manual analog XY stage with 1" x 1" (25mm x 25mm) movement is provided to precisely position samples. A 50W halogen illuminator with aperture diaphragm and removable green filter allows the tester to be used as a microscope. The tester comes complete with a comprehensive instruction manual, dust cover, a sample vise, and accessory kit containing: video port mount, certified test block, fuse, and tools.



Analog filar micrometer eyepiece.



Analog micrometer stage.

1600-5101 Tester, weight approx 92 lbs. (42kg), Dimensions 16.1" x 23.6" x 23.2" (410 x 600 x 590mm)

Model 1600-5101VA, for operation on 110V 60Hz, mounted with Vickers indenter

Model 1600-5101KA, for operation on 110V 60Hz, mounted with Knoop indenter

Model 1600-5101VKA, for operation on 110V 60Hz, mounted with Vickers, Knoop included in accessory case

Model 1600-5101VD, for operation on 220V 50Hz, mounted with Vickers indenter

Model 1600-5101KD, for operation on 220V 50Hz, mounted with Knoop indenter

Model 1600-5101VKD, for operation on 220V 50Hz, mounted with Vickers, Knoop included in accessory case

Model 1600-5101VE, for operation on 240V 50Hz, mounted with Vickers indenter

Model 1600-5101KE, for operation on 240V 50Hz, mounted with Knoop indenter

Model 1600-5101VKE, for operation on 240V 50Hz, mounted with Vickers, Knoop included in accessory case

Buehler continuously makes product improvements; therefore, technical specifications are subject to change without notice.

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BUEHLER ANALYST® SECTION 13



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