



**BUEHLER®**

# **MACROMET® 5101**

*Rockwell and Rockwell Superficial Type Hardness Testers  
with Extra Height Capacity*

- All Rockwell and Rockwell Superficial Scales Covered
- Traditional Deadweight Loading System with Automated Application
- Large Easy-To-See Hardness Readout
- Accommodates Specimens up to 12.6" (320mm) Tall
- Go - No Go Function for Fast Sorting of Parts

**BUEHLER® MACROMET® 5101**

## Specifications

**MACROMET® 5101 Rockwell Type Hardness Tester**, minor load indicator and hardness readout via an easy-to-use LED panel. Minor load application at 10kgf and automated major load application by deadweight at 60kgf, 100kgf, and 150kgf for all major scales. The LED panel provides a highly visible readout of the hardness value in the chosen scale. RS232C and SPC outputs are provided for data collection and statistical analysis. Specimen parts of up to 12.6" (320mm) tall and 4.8" (122mm) deep (center of indenter to the tester body) may be tested. The tester comes with: a diamond cone indenter for HRC, HRA and HRD scales, and a  $\frac{1}{16}$ " ball indenter with spare balls, for HRB, HRF and HRG scales, a 2½" (64mm) diameter flat anvil, a 1.6" (40mm) diameter V-anvil, test blocks for HRC and HRB, tester cover, operators manual, accessory case and tools.

**MACROMET® 5101 Twin Rockwell and Rockwell Superficial Type Hardness Tester**, with tester control, minor load indicator and hardness readout via an easy-to-use LED panel. Minor load application at 3kgf or 10kgf and automated major load application by deadweight at 15kgf, 30kgf, 45kgf, 60kgf, 100kgf, and 150kgf for all Rockwell and Rockwell superficial scales. The LED panel provides a highly visible readout of the hardness value in the chosen scale. RS232C and SPC outputs are provided for data collection and statistical analysis. Specimen parts of up to 11.0" (280mm) tall and 4.8" (122mm) deep (center of indenter to the tester body) may be tested. The tester comes with: a diamond cone indenter for HRC, HRA, HRD and HRN scales, and a  $\frac{1}{16}$ " ball indenter with spare balls, for HRB, HRF, HRG and HRT scales, a 2½" (64mm) diameter flat anvil, a 1.6" (40mm) diameter V-anvil, test blocks for HRC, HRB, HR30N and HR30T, tester cover, operators manual, accessory case and tools.

**1800-5101R Tester**, weight approx 99 lbs. (45kg), Dimensions 8.3" x 19.1" x 33.9" (210 x 486 x 860mm)

**1800-5101T Tester**, weight approx 99 lbs. (45kg), Dimensions 8.3" x 19.1" x 33.9" (210 x 486 x 860mm)

**Model 1800-5101RA Rockwell**, for operation on 110V 60Hz

**Model 1800-5101TA Twin Rockwell/Rockwell Superficial**, for operation on 110V 60Hz

**Model 1800-5101RD Rockwell**, for operation on 220V 50Hz

**Model 1800-5101TD Twin Rockwell/Rockwell Superficial**, for operation on 220V 50Hz

**Model 1800-5101RE Rockwell**, for operation on 240V 50Hz

**Model 1800-5101TE Twin Rockwell/Rockwell Superficial**, for operation on 240V 50Hz



**High visibility hardness value display with easy to use membrane switch panel to select indenter type and hardness scale.**



**Simple change over between Rockwell and Rockwell superficial pre-load application for the twin model.**

*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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