



BUEHLER®

MACROMET® 5100

Rockwell and Rockwell Superficial Type Hardness Testers

- **All Rockwell and Rockwell Superficial Scales Covered**
- **Traditional Deadweight Loading System with Automated Application**
- **Large Easy-To-See Hardness Readout**
- **Accommodates Specimens up to 5.5" (140mm) Tall**
- **Go - No Go Function for Fast Sorting of Parts**

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Specifications

MACROMET® 5100 Rockwell Type Hardness Tester, minor load indicator and hardness readout via an easy-to-use LED panel. Application of minor load 10kgf. 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 5.5" (140mm) 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® 5100 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. 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 5.5" (140mm) 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" (30mm) diameter V-anvil, test blocks for HRC, HRB, HR30N and HR30T, tester cover, operators manual, accessory case and tools.

1800-5100R Tester, weight approx 88 lbs. (40kg), Dimensions 8.3" x 19.1" x 26.7" (210 x 486 x 680mm)

1800-5100T Tester, weight approx 93 lbs. (42kg), Dimensions 8.3" x 19.1" x 28.3" (210 x 486 x 720mm)

Model 1800-5100RA Rockwell, for operation on 110V 60Hz

Model 1800-5100TA Twin Rockwell/Rockwell Superficial, for operation on 110V 60Hz

Model 1800-5100RD Rockwell, for operation on 220V 50Hz

Model 1800-5100TD Twin Rockwell/Rockwell Superficial, for operation on 220V 50Hz

Model 1800-5100RE Rockwell, for operation on 240V 50Hz

Model 1800-5100TE 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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