

United Service Company Inc

Sales and Service
West Hartford, CT 06110
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Introducing the **Tru-Blue II**

The Tru-Blue II is a digital twin Rockwell hardness tester that utilizes a closed loop load cell system. The closed loop load cell system has two main components. A glass scale is used to measure the depth of penetration and a load cell is used to verify the correct force is being applied. Having no dead weights, pivot points and knife edges to move out of adjustment, the Tru-Blue II can be moved to a new location without having to be re-calibrated. When mounted on the optional mobile stand, the Tru-Blue II becomes portable for use in different departments.

The Tru-Blue II comes standard with a Direct certification of the hardware calibration with NIST traceability and a factory one-year indirect calibration for customer specified hardness testing scales. The tester can be put into operation without the need for an additional on-site calibration or manufacturers assistance!

Special Features:

- Computerized closed loop control of force application
- In-line depth measurement device and load cell
- Capable of testing 30 different Rockwell scales
- 4 x 20 Bright Vacuum Fluorescent display
- Statistical summary including Average, Range, Standard Deviation, High, Low and number of tests
- Auto correction of hardness values for cylindrical parts
- Parts clamp used to secure irregularly shaped or oversize parts included
- Parts IN/OUT of tolerance settings with adjustable audio alert



United Service Company Inc is an ISO-17025 certified company with well over 100 years combined experience providing service and recommending the correct machine for your needs. Our major objective is to supply to our customers the best products, advice, and on-time service possible.

Call for a no cost, no obligation quote today!

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ITEM TRU-BLUE II

Regular Scales: A, B, C, D, E, F, G, H, K, L M, P, R, S, and V. Loads of 60 Kg, 100Kg, and 150 Kg.
Superficial Scales: 15N, 30N, 45N, 15T, 30T, 45T, 15W, 30W, 45W, 15X, 30X, 45X, 25Y, 30Y, and 45Y. Loads of 15Kg, 30Kg, and 45Kg
Dwell Time: 3 ASTM E-18 dwell time settings plus NIST SRM timing
Plastics Dwell: In accordance with ASTM D-785
Machine Uncertainty: Excluding test block and indenter variations less than .01 point; corresponds to a 3.3% GR&R for a 3 point tolerance
Front Panel Controls: Piezo-Electric switches
Conversions: Built in ASTM E-140 conversion charts and ASTM A-370 Tensile strength values
Languages: English, Spanish, French, German, Italian and Portugese
Power Requirements: 100-240 VAC 50/60 Hz, Single Phase. 1 Amp
Vertical Capacities: Available in 10, 14, 18 and 20 inch capacities
Throat Depth: 5.5 inches, available with 9.5 inches
Weight: From 185lbs to 210 lbs depending on model

STANDARD ACCESSORIES

Clamping Sheild For Large Parts
1 NIST Traceable C Scale Diamond
1 N Scale Diamond
1 1/16" Tungsten Carbide Ball Penetrator
1 2 1/2" Flat Anvil
1 Raised Spot Anvil
1 "V" Anvil
1 NIST Tracable C Scale Test Block
1 HRBw Test Block
1 30N Test Block
1 30Tw Test Block

OPTIONAL ACCESSORIES

Printer
Dust Cover
Floor Stand
Foot Switch
Various Size Ball Penetrators
8" Table Anvil
Test Blocks Available for All Scales
SPC Software Kit
Mobile Stand

We also have conversion charts, dust covers, jack stands, light sources and much much more! Give us a call today and let us help fulfill your every hardness testing need.

