

PACE[®] **TECHNOLOGIES**

www.metallographic.com

Dual Rockwell/ Superficial Rockwell Semi-Automated Hardness Tester (OMEGA DIGI-RST)

OMEGA DIGI-RST is a semi-automated digital Rockwell and Superficial Rockwell hardness tester. The OMEGA DIGI hardness testers are designed to evaluate metallographic specimen Superficial and Rockwell hardness.

- **Semi-automated**
- **15 Kgf, 30 Kgf and 45 Kgf loading (Superficial)**
- **60 Kgf, 100 Kgf and 150 Kgf loading (Rockwell)**
- **Color touch screen that displays loading force, indenter type, dwell time and conversion scale**
- **Motorized control of loading, dwell, and unloading**
- **Built-in microprocessor that automatically computes maximum, minimum, mean and deviation values**
- **Resolution 0.1 HR**
- **Automatic conversion**
- **Store up to 2000 single testing results and 1000 group results for review and analysis**
- **LCD displays hardness**
- **Robust and durable design**
- **Loading time and dwell time (1-60 seconds)**
- **Includes a RS232 data output**

Technical Specifications:

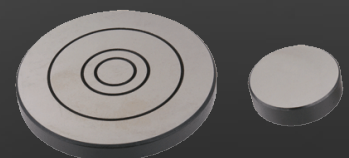
| Feature | OMEGA-DIGI-RT Specification |
|--------------------------|---|
| Rockwell scales | HRA, HRB,HRC,HRD,HRE, HRF, HRG,HRH,HRK,HRL, HRM, HRR, HRP, HRS,HRV |
| Preliminary test force | 3 Kgf (29.4N) 10 Kgr (98.07N) |
| Superficial Load | 15 Kgf, 30 Kgr, 45 Kgf |
| Rockwell Load | 60 Kgf, 100 Kgr, 150 Kgf |
| Hardness resolution | 0.1 HR |
| Dwell time | Adjustable 1-60 seconds |
| Auto Hardness conversion | HRC, HV, HBS, HBW, HK, HRA, HRD, HR15N, HR30N, HR45N, HS, HRF, HR15T, HR30T, HR45T, HRB |
| Max Height of Specimen | 6.9 inches (175 mm) |
| Dimensions (W x D x H) | 7 x 21.5 x 30 inches (182 x 546 x 755 mm) |
| Weight | 198 lbs (90 kg) |
| Accuracy | Conforms to ASTM E-18 |

Dual Superficial Rockwell Hardness Tester

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Semi-Automated Dual Superficial / Rockwell hardness tester



Rockwell Hardness Tester Accessories

| | |
|------------------------------|---------|
| 1/8-inch steel ball indenter | 811-431 |
| 1/4-inch steel ball indenter | 811-451 |
| 1/2-inch steel ball indenter | 811-471 |
| 1/8-inch steel ball | 811-441 |
| 1/4-inch steel ball | 811-461 |
| 1/2-inch steel ball | 811-481 |
| Fuses | 811-811 |
| Cone diamond indenter | 811-401 |
| 55 mm anvil | 811-511 |
| 55 mm V-shpaed anvil | 811-521 |
| 100 mm flat anvil | 811-531 |
| 150 mm flat anvil | 811-541 |
| Small flat anvil | 811-501 |
| | |

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