

# The Series DTR Rockwell hardness tester significantly improves productivity

## DT&T technology guarantees Rockwell results you can trust

- Rockwell hardness testing is an indentation testing method. It is a general method for measuring the hardness of metallic and polymer materials. It's chief advantage is its ability to display hardness values directly, thus obviating tedious calculations involved in other hardness measurement. Also, the relatively simple and inexpensive set-up makes it's second point. It involves the application of a minor load followed by a major load and it will show the hardness value directly from a dial or depth meters.
- Various indenter shapes and sizes combined with a range of test loads from a matrix of Rockwell hardness scales that are applicable to a wide variety of materials.
- DTR Series of Rockwell Hardness Testers are precision and reliable.

## The industry standard for accuracy and repeatability

### FEATURES

- DTR Series of Rockwell hardness testers are classified according to depth sensor (Analog/digital). They are upgraded model to minimize their friction loss, and suitable for correct and reliable results.
- DTS-300N, An Automatic and digital machine and DTR-200N, A Semi-Auto and Analog machine are motorized.
- They are applied to the ISO-6508, ISO-17025 and ASTM-18. They are precision and reliable and can be used wide range of industry.

### ANALOG MODEL **DTR-200N**





Economic design makes the DTR-300N Rockwell hardness tester a marvel of simplicity and efficiency

## DIGITAL MODEL DTR-300N

### FUNDCTIONS

- LCD Digital display
  - Selected scale and weight
  - Hardness value
  - Value conversion (ASTM / JIS)
  - Standard deviation / Average
  - 2 Languages (English / Korean)
  - Over load error message
- Serial interface
  - RS-232C / USB
- Calibration mode

### WARRANTY

- One-year warranty



DIGITAL DISPLAY



PRINTER

### DIGITAL DISPLAY

- Hardness value
- Average
- Standard deviation
- Test number
- Ø correction
- Other scales conversion
- Print out





## TECHNICAL SPECIFICATIONS

Model	DTR-200N	DTR-300N
Vertical Capacity / Throat Depth	210 mm (8.3 in) / 135 mm (5.3 in)	
Test Scale	HR-A, B, C, D, E, F, G, H, K, L, M, P, R, S, V	
Readout	Analog color coded dial	Digital Panel
Preliminary Test Force (Minor Load)	10 kgf (98.07 N)	
Total test Force (Major Loads)	60 kgf (588.4 N), 100 kgf (980.7 N), 150 kgf (1471 N)	
Data Output	N/A	RS-232C & USB
Data Memory	N/A	200 tests
Standards Compliance / Accuracy	Applicable to ASTM E-18, ISO 6508 and ISO 17025	
Power Supply	220 V, 50 / 60 Hz, 4 A	
Machine Dimension	235 × 470 × 720 mm, (9.2 × 18.5 × 27.5 in)	
Machine Weight	81 kg (179 lbs)	

## NEW DESIGN DTR-400N



- 기존 DTR-300N 모델의 기능에 수정, 보완한 기능과 감각적인 디자인으로 사용자의 만족을 높인 모델입니다.
- 터치스크린을 채용하였으며 각도 조절이 가능한 조명이 설치되어 있습니다.

- Thanks to the amended and complemented function of the existing DTR-300N model and a sensitive design, user satisfaction is improved.
- A touch screen and a lighting apparatus whose angle is adjustable are applied.

※ 2011년 하반기 출시예정

※ This model will be available after end of year 2011

### Standard Accessories

- Diamond indenter : 1 ea
- 1/16" Ball indenter : 1 ea
- 1/16" Tungsten ball : 1 ea
- Flat anvil (Ø63) : 1 ea
- Flat anvil (Ø10) : 1 ea
- Vanvil (Ø40) : 1 ea
- Vanvil (Ø10) : 1 ea
- Power supply cable : 1 ea
- Manual, Cloth Cover : 1 ea

### Optional Accessories

- Test block HRC
- Test block HRB
- Test block etc.
- Mini-printer (AP7200S/D)
- Data communication cable
- 1/8" Ball indenter
- 1/4" Ball indenter
- 1/2" Ball indenter
- Flat anvil (Ø200)