

HTPR-150T Digital Touch Screen Plastics Rockwell Hardness Tester



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Development Base of Advanced Testing Machine Of China

Introduction:

HTPR-150T Digital Plastics Rockwell Hardness Tester is adopted a mechanism to load and unload the test force automatically, through rotating the Load-Change Hand Wheel to change test force; therefore the operation of this instrument is very simply; easy and prompt. Besides setting zero to the dial, there is no man-made operation error. The present hardness tester is with high sensitivity and stability, so as to suitable for usage in workshop and testing laboratory. The method of plastics Rockwell hardness test is to press a ball indenter of a certain diameter into a specimen to be tested firstly with initial test force P_0 and than together with main test force P_1 . After apply with total test force P ($P_0 + P_1$) and keep a stipulated duration time, than unload the main test force. The difference e between the press-in depth h_1 during the initial test force keeping and the press-in depth h_0 made by the initial test force applied means the permanent increment of indentation depth. Each press-in depth 0.002mm is as one hardness unit of plastics Rockwell. This test method is with the characteristic of high speed to test hardness and it is widely applied in inspecting the hardness for specimens.

Technical Parameters:

Name	Specification
Test force	60, 100, 150 kgf (588.4, 980.7, 1471N)
Hardness reading	Touch screen to get hardness value
Measuring range	70~100HRE, 50-115HRL, 50-115HRM, 50-115HRR
Measuring ruler	HRA、HRB、HRC、HRD、HRE、HRF、HRG、HRH、HRK、HRL、HRM、HRP、HRR、HRS、HRV、HR15N、HR30N、HR45N、HR15T、HR30T、HR45T
Max Height of Specimen	210mm
Distance from the center to the outer wall of the indenter	165mm
Hardness Resolution (N/kgf)	0.1HR (60,100,150)
Overall Dimensions	466*238*630mm
Weight	98kg
Power supply	AC220+5%,50Hz
Data output	Printer, RS232 interface
Pail time	0-60s

The tolerances of displaying value and the repetition of the plastics Rockwell hardness tester

Scales	Hardness range of standard	Allowed Tolerance	Max. Repetition of Displaying value
HRE	70-94HRE	± 2.0 HRE	2.5HRE
HRL	100-120HRL	± 1.2 HRL	1.5HRL
HRM	85-110HRM	± 1.5 HRM	2.0HRM
HRR	114-125HRR	± 1.2 HRR	1.5HRR

The Scales, Indenters, Test Force Values and Usage Ranges of the Plastics Rockwell Hardness Test

Scales	Ball Indenters	Initial test force(N)	Total test force (N)	Usage ranges
HRE	Φ3.175mm	98.07	980.7	Hard plastics, hard rubbers, aluminum, tin, copper, mild steel, synthetic resin and friction materials
HRL	Φ6.35mm		588.4	
HRM	Φ6.35mm		980.7	
HRR	φ12.7mm		588.4	

Standard configuration:

Diamond Rockwell Indenter	1 pc
Φ1.588mm Ball indenter	1 pc each
Test bench Big flat、small flat、 V-shape	3 pcs
Standard Rockwell hardness block	5 pcs
Power cable	1 pc
Weight	3 pcs
Dust proof plastic cover	1 pc
Certificate & Manual	1 sheet each

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Professional focused on testing equipment

KASON is established in 2003,owns more than 8000 square meters factory.has a professional sales teams, modern enter prise technology center,scientific and technological research and development team.

Machines passed the European CE authentication,American FDA certificate and and ISO 9001.

Products sold to USA, Canada, Australia, Europe, Africa etc,more than 130 countries and supply OEM service for many customers

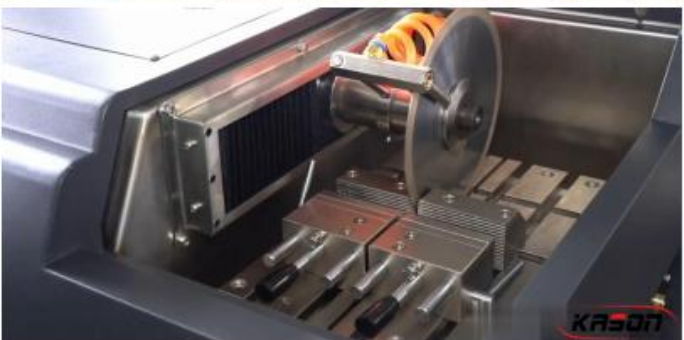
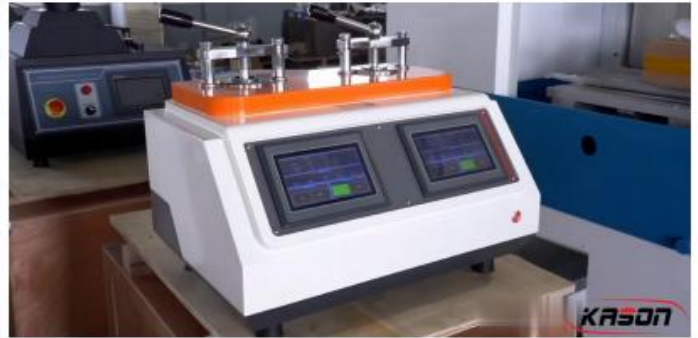
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METALLURGICAL PRODUCT SHOW



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DuandianIndustrial Park ,
Jingshi Road, Jinan City,
Shandong Province, China.

Tel. +86 531 58595086
Fax. +86 531 86113769
Email: sales02@jnkason.com