

Precision Measuring Instruments Co.



**Advance Digital Rockwell
Hardness Tester**



PMI 3000



PMI 3100

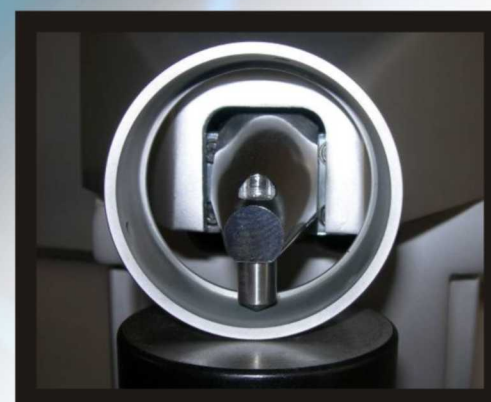


PMI 3200



Indenter: Diamond
Load: 1471N Dwell 2S

_____ HRC
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1. Scale: HRC
2. Dwell loading: 2S
3. Function: ☒ ☐ ☐ ☐ ☐ ☐
4. Com: Printer
5. Language: English
6. Buzzer for key: Off
7. Browse/Print
8. 2008-08-16 08:31



- Horizontal protrudent Indenter Design, suitable also for internal and external testing.
- Testing on Surfaces difficult to reach. Testing internal surface of rings and tubes with diameters over 23mm.
- Modern design with Titanium metallic Silver finish
- Can be used directly to measure Rockwell hardness for metal and plastic material.
- Provided with many features such as high measuring precision, wide measuring range with multiple Rockwell scales.
- The tester is suitable for testing of carbon steel, alloy steel, cast iron, non ferrous metal, and engineering plastic etc.
- Automatic load cycle. The loading, dwell, unloading process of the main test force are controlled exactly to meet standard.
- Measuring results digitally displaying and can be printed, or transmitted to external computer automatically by USB or RS-232 data output port.
- Test value can be transformed to the value of HB, HV, HLD, HK and σ_b value.
- The tester meeting all the following standard such as ISO 6508-2, ASTM E18.



	PMI 3000	PMI 3100	PMI 3200
Preload	98.1N (10kgf)	29.4N3kgf	29.4N3kgf, 98.1N (10kgf)
Total test force	588.4N (60kgf), 980.7N (100kgf), 1471N (150kgf)	147.1N(15kgf), 294.3N(30kgf), 441.3N(45kgf)	147.1N(15kgf), 294.3N(30kgf), 441.3N(45kgf), 588.4N (60kgf), 980.7N (100kgf), 1471N (150kgf)
Scales	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV	HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HR15W, HR30W, HR45W, HR15X, HR30X, HR45X, HR15Y, HR30Y, HR45Y	HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HR15W, HR30W, HR45W, HR15X, HR30X, HR45X, HR15Y, HR30Y, HR45Y, HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV
Load dwell duration	2~50s, can be set and stored	2~50s, can be set and stored	2~50s, can be set and stored
Resolution	0.1HR	0.1HR	0.1HR
Display	High definition backlight LCD	High definition backlight LCD	High definition backlight LCD
Operation	Menu selectable, Membrane keypad Upper/lower limits setting & alarming	Menu selectable, Membrane keypad Upper/lower limits setting & alarming	Menu selectable, Membrane keypad Upper/lower limits setting & alarming
Data statistics	Avg., Max., Min., S, R available Curved surface correcting automatically	Avg., Max., Min., S, R available Curved surface correcting automatically	Avg., Max., Min., S, R available Curved surface correcting automatically
Memory	Max 500 items of test results stored automatically	Max 500 items of test results stored automatically	Max 400 items of test results stored automatically
Data output	RS-232 to micro printer, USB port to external PC	RS-232 to micro printer, USB port to external PC	RS-232 to micro printer, USB port to external PC
Testing space	260mm in vertical, 150mm in horizontal	260mm in vertical, 150mm in horizontal	260mm in vertical, 150mm in horizontal
Dimensions	710mm×210mm×830mm	710mm×210mm×830mm	710mm×210mm×830mm
Power supply	AC, 220V/110V, 50^60Hz, 4A	AC, 220V/110V, 50^60Hz, 4A	AC, 220V/110V, 50^60Hz, 4A
Nett Weight	90kg	70kg	95kg

Standard configuration

Host machine	1
Standard hardness block for A scale	1
Standard hardness block for B scale	1
Standard hardness block for C scale	1
ball indenter (1/16")	1
120° cone diamond indenter	1
Mounting screws for indenter	2
Flat anvil	1
"V" shape anvil	1
Power supply wire	1
Screwdriver for indenter mounting	1
Dust cover	1

Optional accessories:

Short diamond indenter
Chisel diamond indenter
Slender diamond indenter
1/8" ball indenter and spare steel ball
1/4" ball indenter and spare steel ball
1/2" ball indenter and spare steel ball
φ225 anvil
φ150 anvil
Standard hardness block for other scales

Our Other Range of Universal Hardness Testers



Precision Measuring Instruments Co.

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