Textile Hardness Tester

Model: HT-6510T-2.5 HT-6510T-5 HT-6510T-10

Applications & Features & Principle

To measure the winding density (hardness) of textile bobbins, beams, spools, cones, dye packages etc.

* Convertible probe, the curved end of the probe is used for the bobbin with a diameter less than or equal to 400mm, and the flat end of the probe is suitable for the bobbin with a diameter greater than 400mm.
* With average calculate, peak value deposit function.
* Use USB data output to connect with PC.
* Provide Bluetooth data output choice.

Specifications

Model	HT-6510T-2.5	HT-6510T-5	HT-6510T-10
Parameters	Tested Result/ Mean Value/ Max. Value		
Indenter	Ball 2.5mmΦ	Ball 5mmΦ	Ball 10mmΦ
Convertible Probe	The curved end of the probe is used for the bobbin with a diameter less than or equal to 400mm, and the plane end of theprobe is suitable for the bobbin with a diameter greater than 400mm		
Area Of Application	For closely wound bobbins of synthetic, finished fibers and filaments	For loosely wound bobbins of synthetic fibers and closely wound natural fibers, yarns and threads	For very loosely wound bobbins of thick yarns, such as carpet yarns
Display Range	0-100H (hardness graduation marks)		
Testing Range	10-90H (hardness graduation marks)		
Resolution	0.1H		
Accuracy	≤±1H		
Auto Switch Off	√		
Battery Indicator	Low Battery Indicator		
Depth Of Indentation*	0-2.5mm		
Test Pressure**	Approx. 12.5N		
Measuring Spring Force*	0.55-8.065N		
Scale Diameter	51mm		
Working Face Radius	55mm (when using the curved end of the probe)		
Working Face Flat	45mmΦ (when using the plane end of the probe)		
Operating Conditions	Temperature: 0~40°C Humidity: <80%RH		
Power Supply	2x1.5V AAA Size (UM-4) Battery		
Dimensions	177x65x45mm		
Weight	Approx. 285g (Not including batteries)		
Standard Accessories	Main Unit, Carrying Case, Operation Manual		
Optional Accessories	USB Data Cable with Software, Bluetooth Data Adapter with Software		

* Meets requirement of Shore A

** Spring load of outer ring to create constant pressure when outer ring is pulled down to red marking