



Tackiness Checker HTC-1

Model 80-10



Measurement unit

The Tackiness Checker HTC-1 is a convenient, easy-to-use instrument that was developed to allow on-site testing of the tackiness of rubber components. The instrument may also be used to test the tackiness of adhesive tapes, depending on the application.

In the molding process of tires and belts, where components including rubber and reinforcement materials are bonded in multiple layers and vulcanized, it is very important to check the component tackiness before the forming process is completed. The Tackiness Checker HTC-1 provides a simple and portable method for accurate, on-site testing.

FEATURES

- Compact and lightweight (1.3 kg / 2.9 lbs)
- Handheld and highly portable
- Automatic start provides reading with a simple press of the instrument against the sample
- Ratchet mechanism rotates the contact ring after each measurement
- Easy cleaning of contact ring with instrument cleaning mode
- Surface temperature of sample is optionally measurable



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SPECIFICATIONS	
Model	80-10
Measure tackiness	Max 20N resolution 0.1N (load cell system)
Press force	5N - 12N (variable)
Press time	3 sec / 6 sec (selection)
Test number	1 / 3 / 5 (selection)
O-ring moving speed	Approx. 2.3 mm/sec
Contact ring	SBR O-ring (model RB-S1), Aluminum curvature surface ring (model AL-R1)
Test time	Approx. 7 sec (when press time is 3 sec)
Contact ring drive	Brushless DC motor
Contact ring rotation	Auto rotation function
Minimum sample size	50×50 mm
Test condition (input)	Sample name (4 digits), result display (median or average if multiple) number (1, 3, 5), press time (3 sec or 6 sec)
Calendar function	Date, Time (yyyy/mm/dd hh:mm), auto refresh until 2099
Battery	Lithium ion battery 7.4V 2000mA (bout 1500 tests when fully-charged)
Power consumption	Standby: 550mW, Motor Drive: 800mW
Standard attachments	Battery charger, AC adapter DC 8.4V 500mA (1 pc), SBR O-ring (10 pcs), aluminum curvature surface ring (1pc), bar for detach O-ring (1 pc)

INSTRUMENT SIZE	
Dimensions (W x D x H)	118 x 72 x 222 mm
Weight (approx.)	1.3 kg

ACCESSORIES	
Model ST-1	Built-in thermopile radiated temperature sensor Measures sample surface temperature at a range of 5 - 40 deg C, resolution 1 deg C
Model KS-1	Carrying case For storage of main instrument and attachments
Model AL-F1	Aluminum flat surface ring Features larger contact area than aluminum curvature ring for increased tackiness value

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