TMI BÜCHEL


# Tackiness Checker HTC-1

## Model 80–10

INDUSTRIAL PHYSICS

Protecting
Product Integrity

## The Tackiness Checker HTC-1

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.

## Technical Specification:

| Model | 80–10 |
|---|---|
| Measure tackiness | Max 20N resolution 0.1N (load cell system) |
| Press force | 5N–12N (variable) |
| Press time | 3sec / 6sec (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 (press time 3 sec) |
| Contact ring drive | Brushless DC motor |
| Contact ring rotation | Auto rotation function |
| Minimum sample size | 50 x 50mm |
| 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) |
| Battery | Lithium ion battery 7.4V 2000mAh (~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) |
| Certification | CE Certified |
| Instrument Size: | 118 x 72 x 222 mm (WxDxH) |
| Instrument Weight: | 1.3 kg / 2.9 lbs |

### 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. |
| Model AL-F1 | Aluminum flat surface ring. Features larger contact area than aluminum curvature ring for increased tackiness value |

## Features:

- Compact, lightweight 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
- CE Certified




## Contact Details

**web.** www.industrialphysics.com
**email.** info@industrialphysics.com

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