



APPLICATIONS:

Softening Point

- BITUMEN
- TAR
- PITCH
- TALL OIL ROSINS
- POLYMERIC RESINS
- WAXES
- ADHESIVES

Automated Ring & Ball Testers

ADVANTAGES:

- **Easy to use “touch screen” testing**
- **Up to 20 permanent and user-defined test programs**
- **Temperature range up to 250°C**
- **Stores up to 300 results**
- **Built-in, programmable air cooling system**
- **Stand-alone or networked operation**

HRB 754

The HRB 754 Ring & Ball Tester automatically determines softening point of bitumen, tar, pitch, tall oil rosins, and polymeric resins via standard ring and ball test methods. Tests **start in four simple steps**: insert the sample in the instrument, input the sample ID, select a pre-programmed test method, and press *Start*.

In addition to performing standard softening point tests, this versatile analyzer is **easily programmed with your own customized test protocols**. Test selection and other operational commands are entered via the instrument’s easy-to-use touch screen display. The system even includes **on-line help** to guide you through operational procedures.

METHODS:

- ASTM D 36
- ASTM E 28
- IP 58
- ISO 4625
- DIN 52011
- NFT 66008
- EN 1427

HRB 754 Ring & Ball Tester


Determine Softening Point Quickly, Accurately... Automatically!

SPECIFICATIONS

Ordering Information	<p>HRB 754 Ring & Ball Tester automatically determines softening point of samples up to 200°C or, with blower module, to 250°C. Easy touch-screen operation and a built-in, user programmable cooling system.</p> <ul style="list-style-type: none"> - 07541-000-01 20° to 200°C (68° to 392°F) - 07541-000-02* 20° to 250°C (68° to 482°F) <p>Extension Units for multi-instrument networking with centralized control from an HRB 754 Main Unit. Up to 2 add-on units may be added.</p> <ul style="list-style-type: none"> - 07542-000-01 20° to 200°C (68° to 392°F) - 07542-000-02* 20° to 250°C (68° to 482°F) <p><i>* includes blower module for increased upper temperature range</i></p>
Test Programs	Up to 20 permanent (ASTM D 36, ASTM E 28, IP 58, ISO 4625, DIN 52011, EN 1427, and NFT 66008) and user-defined test protocols
Temperature Display	°C or °F
Heating Media	Water, silicone oil, glycerin, or glycol
Stirring	Magnetic stirring; programmable 0 to 250 rpm
Detection System	Laser light barrier
Data Acquisition & Documentation	Local "touch screen" display Locally stores up to 300 test results Parallel port for optional printer RS 232 serial port
Physical	
Electrical Requirements	Switch selectable; 115/230 VAC, 50/60 Hz, 1000 watts
Dimensions	250mm (W) x 500mm (D) x 512mm (H) 9.8" x 19.7" x 20.2"
Weight	24 kg / 53 lbs

ACCESSORIES

Testing Accessories	<p>253-124: Ball coupling cage for non-bituminous samples 413-037: Grip tongs for handling beaker after test 253-133: Pouring plate (EN 1427, ASTM D 36)</p>
Printing Accessories	<p>101-175: Needle printer (230V) 101-176: Needle printer (115V) 626-053: Printer cable</p>

Due to continuing product development, specifications subject to change at any time without notice. All Herzog products are  compliant.

FOR ADDITIONAL INFORMATION:

AMERICAS:

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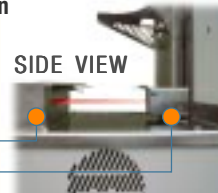
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ABSOLUTE PRECISION

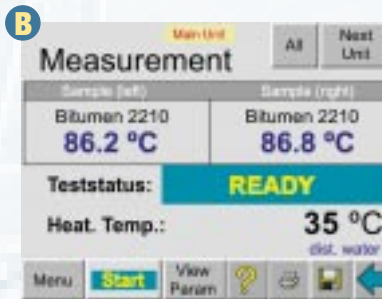
The HRB 754 incorporates laser light and phototransistor detection for ultra precise recognition of softening point. "Smart" software distinguishes between air bubbles and the falling balls. Plus, a multi-point calibration table ensures precision across a wide bath temperature testing range.

Phototransistor Receiver
Laser Light Source

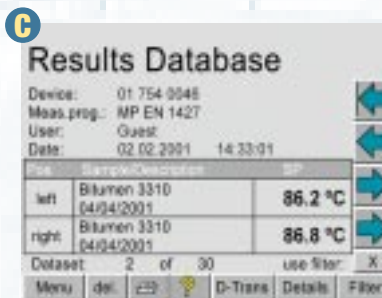
SIDE VIEW



A. The HRB 754's "touch screen" display lets you quickly initiate standard softening point tests, change test parameters, run system diagnostics, and recall test results.



B. The HRB 754 displays measurement results on a bright, easy-to-read graphics display.



C. Up to 300 individual measurements can be stored in the HRB 754 for later viewing and analysis. Built-in statistical functions permit repeatability and standard deviation calculations.

YOUR LOCAL REPRESENTATIVE: