

# HRB 754

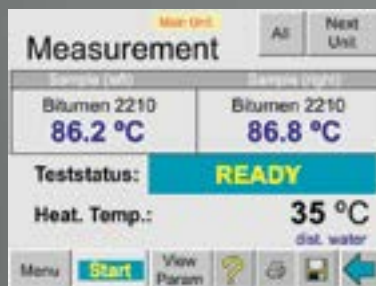


The HRB 754 Ring & Ball Tester automatically determines Softening Point of bitumen, tar, pitch, tall oil rosins, and polymeric resins via standard ring and ball test methods. Tests start in four simple steps: insert the sample in the instrument, input the sample ID, select a pre-programmed test method,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

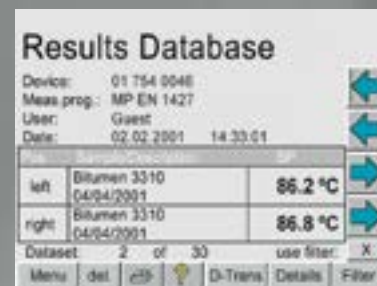
In addition to performing standard softening point tests, this versatile analyzer is easily programmed with your own customized test protocols. Test selection and other operational commands are entered via the instrument's easy-to-use touch screen display. The system even includes on-line help to guide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



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.

## ADVANTAGES

- Pre-programmed test procedures
- Stores up to 20 permanent and user-defined test programs
- Easy-to-use touch screen testing, programming, diagnostics, calibration
- Integral results database stores up to 300 measurements; incorporates statistical calculation and graphing capacity
- Built-in, user programmable air cooling system
- Stand-alone or networked operation

## APPLICATION RANGE

- Softening Point
- Bitumen
  - Tar
  - Pitch
  - Tall oil rosins
  - Polymeric resins
  - Waxes
  - Adhesives

## STANDARD METHODS

- In accordance with:
- ASTM D36
  - ASTM E28
  - IP 58
  - ISO 4625
  - DIN 52011
  - NFT 66008
  - EN 1427
  - EN 1238



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## HERZOG BY PAC

Herzog, originally established in 1937, is a long-established comprehensive line of laboratory instruments for testing distillation, flash point, vapor pressure, bitumen testing, cold flow properties, viscosity and other physical properties of materials.

## HRB 754 RING & BALL TESTER 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.



## SPECIFICATIONS

Ordering Information	
	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. - 07541-000-01 20° to 200°C (68° to 392°F) - 07541-000-02* 20° to 250°C (68° to 482°F) * includes blower module for increased upper temperature range
Test Program	
	Up to 20 permanent (ASTM D36, ASTM E28, IP 58, ISO 4625, DIN 52011, EN 1427, and NFT 66008) and user-defined test protocols
Operation	
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
Temperature Measurement	PT100 probe; glass (standard) or stainless steel; delivered with calibration certificate
Documentation & Data	
	Locally stores up to 300 test results Parallel port for optional printer RS 232 serial port
Accessories	
Testing Accessories	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)
Printing Accessories	101-175: Needle printer (230V) 101-176: Needle printer (115V) 626-053: Printer cable
Diagnostics & calibration	
	Automatic calibration with programmable frequency, 21-point probe offset correction table Automatic diagnostic routines on analyzer functions, Upload/download service features via PC; calibration parameters and unit program backup/restore feature
Utility Requirements	
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

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