

Automated Ring & Ball Tester

RB36 5G

 **PAC**
www.paclp.com



RB36 5G

The cost-effective solution for precise and easy softening point determination

ISL's modern and easy to use Ring & Ball instrument automatically determines softening points of many different substances. The RB36 5G, designed for measuring product

temperatures from 0°C to 220°C, simplifies testing and increases productivity, repeatability and reproducibility. The instrument enables simultaneous testing of two samples with independent monitoring and results display of each. Simply load the sample and with a few keystrokes, the test is started. Bath temperature

and ball movement are precisely controlled according standard test methods. This instrument integrates the top of the art regulation system specially designed for difficult method heating rate regulations. Heating rate is displayed in real-time and automatically stored with the result.

ADVANTAGES

- Accurate determination of softening point
- Simple, easy to use and economical
- Versatile, products test program
- On-site Quality-Check tracking

APPLICATION RANGE

- Softening Point
 - Bitumen
 - Hot coatings
 - Resins
 - Pitch
 - Tar
 - Road marking materials

STANDARD METHODS

- In compliance with:
 - ASTM D36
 - ASTM E28
 - EN 1427
 - IP 58
 - ISO 4625
 - DIN 52011
 - Optional kit for EN 1871
 - Wilhelmi Test



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PAC Authorized Representatives are also located in most countries worldwide. For more information visit www.pacpl.com

ISL by PAC

ISL is a global provider of scientific apparatus and instruments for testing petroleum and petrochemical products in the lab and online. More than 20 automatic analyzers bearing the ISL brand are recognized for increasing test precision, boosting laboratory efficiency and reducing costs.

SPECIFICATIONS

Ordering Information	RB36 5G Ring & Ball Tester, Includes accessories for bitumen test (beaker, rings, balls, test holder, for ASTM D36, EN 1427 or equivalent method)														
Standard Test Methods	ASTM D36, ASTM E28, EN 1427, IP 58, ISO 4625, DIN 52011, and Optional kit for EN 1871, Wilhelmi test														
Product Programs	Locally stores up to 40 product configuration programs, including test parameters, standard test method, liquid bath, pre-heating mode and starting temperature														
Operation	<table border="0"> <tr> <td>Temperature Range</td> <td>Testing from 0°C to 220°C (32 – 428°F)</td> </tr> <tr> <td>Cooling</td> <td>Automatic cool down</td> </tr> <tr> <td>Heating</td> <td>Safe and powerful low voltage heating element protected with a ceramic plate.</td> </tr> <tr> <td>Heating Rate</td> <td>Heating rate stability : 5°K/min +/-0.5°K; heating can be shown on the screen during the test and stored with result.</td> </tr> <tr> <td>Ball Detection</td> <td>Infrared light barrier with adjustable response time from 0.1 to 0.9 seconds</td> </tr> <tr> <td>Bath Media</td> <td>Water, glycerin, glycol, silicon oil</td> </tr> <tr> <td>Stirring</td> <td>Magnetic bar</td> </tr> </table>	Temperature Range	Testing from 0°C to 220°C (32 – 428°F)	Cooling	Automatic cool down	Heating	Safe and powerful low voltage heating element protected with a ceramic plate.	Heating Rate	Heating rate stability : 5°K/min +/-0.5°K; heating can be shown on the screen during the test and stored with result.	Ball Detection	Infrared light barrier with adjustable response time from 0.1 to 0.9 seconds	Bath Media	Water, glycerin, glycol, silicon oil	Stirring	Magnetic bar
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Calibration & Diagnostics	Automatic calibration with programmable frequency; 5-point probe offset correction table memorized in the PT100 thermometer memory chip; automatic diagnostic on analyzer functions; upload/download service features via PC.														
Documentation	Detailed test report, date & time stamped; on-screen real time display of temperature and time with heating rate table; 50 result report (including heating rate curves) stored in memory; output to printer; transmitted to a PC and/or LIMS via built-in serial link.														
Requirements	<table border="0"> <tr> <td>Electrical</td> <td>100-240V/50-60Hz auto-switching; power: 750 W; CE compliant</td> </tr> <tr> <td>Ambient Conditions</td> <td>Operation: recommended 15 – 30°C (30 – 86°F) 80% relative humidity at 25°C (40°F) Storage: 0 to +40°C (0 to +104°F)</td> </tr> <tr> <td>Dimensions & Weight</td> <td>25cm (9.85") W x 50cm (19.7") H x 45cm (17.7") D (with testing device in place); 17 kg (99.2 lbs)</td> </tr> </table>	Electrical	100-240V/50-60Hz auto-switching; power: 750 W; CE compliant	Ambient Conditions	Operation: recommended 15 – 30°C (30 – 86°F) 80% relative humidity at 25°C (40°F) Storage: 0 to +40°C (0 to +104°F)	Dimensions & Weight	25cm (9.85") W x 50cm (19.7") H x 45cm (17.7") D (with testing device in place); 17 kg (99.2 lbs)								
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