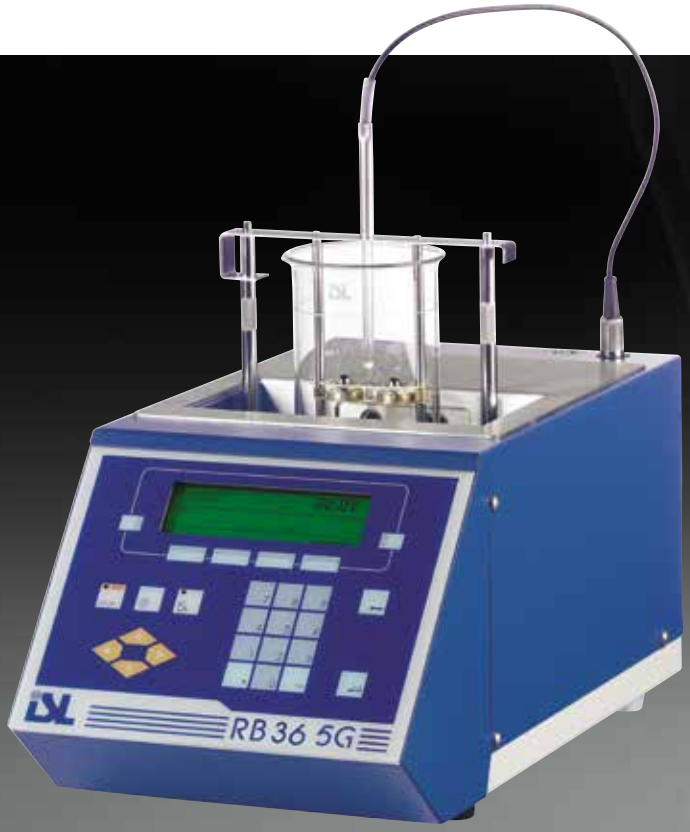
Automated Ring & Ball Tester

RB36 5G

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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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	
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
Traceability	
Operators	Memorizes up to 10 operator names
Test Condition Check	Message warning and audible alarms for incorrect test conditions
Temperature Probe	Built-in memory chip; automatic recognition of probe at plug-in, gathers ID, offset values and calibration history records; 5 calibration points memorised
Test Parameters	Main test parameters stored in the database with results, including heating rate records
Alarm Tracking	All messages are stored in the database with results
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	
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)
Options & Accessories	
EN 1871 "Wilhelmi test"	A specific optional package for performing this test is available
Printer	Parallel DeskJet or Dot Matrix printer
Handling and Test Assistance	Some accessories to help the samples manipulation and accessories storage in the laboratory have been developed or are under development; please, ask to your local representative for further information

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