

***Lintel®* PSB-10****Rolling thin-film oven (RTFOT)****Standards**

ASTM D2872

EN 12607-1

AASHTO T240

CTM 346

FEATURES OF THE LINTEL PSB-10

- ❖ Lintel PSB-10 tester for determining the aging of bitumen under the influence of high temperature and air is designed for the effect of high temperature and air on a moving thin film of bitumen
- ❖ Tester automatically maintains and controls the temperature of the air inside the working area, the speed of rotation of the sample drum, the speed of rotation of the centrifugal fan and the flow of air coming out through the nozzle
- ❖ Built-in compressor with a low noise level (no more than 38 dB) allows to use the PSB-10 without connecting to the compressed air supply system (compressor)
- ❖ The camera of the tester is made of stainless steel with reliable thermal insulation. The door has a two-layer window for visual control of the test process.
- ❖ To ensure safe operation, the tester is equipped with a system for stopping all executive devices when the door is opened or the control unit fails, and the protective shutdown device will promptly turn off the power supply of the tester in case of emergency situations
- ❖ Tester is supplied with sample flowmeter for checking and calibrating the air flow sensor
- ❖ To check the tester readings during certification and calibration of the built-in temperature sensor, it is possible to install an exemplary thermometer (on request)
- ❖ Tester is controlled using the built-in keyboard, and the test parameters and results are displayed on a digital display in real time
- ❖ Full self-diagnosis system with indication of the causes of faults on the display
- ❖ Stopping the test process at the end of the analysis with sound alarm



Lintel PSB-10 uses the latest technologies and components to ensure high quality of the tester, ease of operation, in order to reduce the time spent on testing and improve performance.

Lintel PSB-10 provides a number of advantages to our customers:

Double-layer glass window for visual control of the test process. Display of important test parameters:



Built-in temperature controllers for maintaining the set temperature of the fan, rotameter, compressor and for creating and maintaining the required test conditions:



To check the readings of the device during certification and calibration of the built-in temperature sensor, it is possible to install a model thermometer:



**SPECIFICATIONS**

Oven temperature after stabilization	162 to 164 °C
Air flow through the flow sensor	3,8 to 4,2 liter/min
Drum speed after acceleration	14,8 to 15,2 rpm
Fan speed after acceleration	1625 to 1825 rpm
Test duration by GOST 33140	84 to 86 min
Test duration by EN 12607-1	74 to 76 min
Time of heating of the oven after placing samples	no more 15 min

PERFORMANCE DATA

Power supply	2 100 W
Dimensions	916,6 x 826 x 823 mm (W x H x D)
Weight	120 kg max
Voltage	198 to 242 V
Frequency	49 to 51 Hz
Service life	6 year (15,000 hours max)
Warranty period	1 year (2,500 hours max)

SAFETY

Audio signals	Beeping at the end of the test and failure detection
Diagnostic and setting	Built-in algorithms for self-diagnostics and settings, user notification about causes of malfunctions
Electrical safety	Differential automatic device that prevents electric shock to the user and damage to the tester as a result of a short circuit

**Dealer in Kazakhstan**

«ELEMENTUM» LLP
86 Gogol str., office 214, Almaty, 050000
Phone: +7 (727) 250-89-76,
+7 (727) 329-68-75
Fax: +7 (727) 250-89-73
info@elementum.kz
elementum.kz@mail.ru

KAZAKHSTAN-TASYMAL LTD LLP
9 Abay ave., office 105, Ust-Kamenogorsk,
070002
Phone: +7 (7172) 69-59-31,
+7 (727) 312-34-28,
+7 (7232) 48-90-39;
WhatsApp: +7 (702) 694-93-11
gk-tasymal@mail.ru

Dealer in Belarus

«FIVE OCEANS» CJSC
12 Moskovskaya str., Minsk, 220007
Phone / Fax: + 375 17-374-42-56,
+ 375 17-397-57-44,
+ 375 33-357-42-56
w@5ok.by, info@5ok.by

«AVANTA & Co» CJSC
2 Spassateley str., room 32, Pukhovichy
district, Maryina Gorka, Minsk, 222827
Phone: + 375 17-270-70-00,
+375 44-512-52-80
Fax: + 375 17-394-01-59
info@avanta.by, girs@avanta.by

Dealer in Uzbekistan

«INVEST KOMPLEKT» LLC
55 Chilanzarskaya str., Tashkent, 100115
Phone: +998 97-156-53-43,
+ 998 97-724-63-43
invest.komplekt@bk.ru

«FORTEK» private enterprise
13A 6th passage Sairam str., Tashkent
100170
Phone: + 998 71-268-5750,
+ 998 71-268-5720
Fax: + 998 71-267-7190
office@fortek.uz, sales.a@fortek.uz

Himlabpribor LLC
15 Almazar str., Shaikhontohur district,
Tashkent, 100011
Phone: + 998 90-997-64-56,
+ 998 90-355-62-35
uzhimlabpribor@mail.ru

COMPLETE SET

Lintel PSB-10	1 pc.
Scraper	1 pc.
Glass test cup	8 pcs.
Sample flowmeter	1 pc.
Operating manual	1 pc.
Passport	1 pc.
Certification program and methodology	1 pc.

OPTIONS

Lintel Link Data Collection System	Software and hardware designed for complex automation of laboratory activities
---	--



CERTIFICATION MEANS

Measuring devices used during certification shall be approved by State authorities and have a valid Verification Certificate (reports, stamps).

Measuring devices recommended* for use during tester certification are given in table

Title of equipment	Measuring range	Accuracy class, measurement error	Purpose during tester certification
Stopwatch Sospr-2a-3-000		Class 3	Determination of the time the drum will rotate 15 times
TTSM 9410 with temperature sensor TTTS 01-180 length 400 mm	(-50...200) °C	0,15°C at a point 163°C	Determining the temperature of the internal space of the oven
Flowmeter RM-A0,25GUZ	Maximum measured flow rate of 250 liters/hour	10 liters/hour (0,167 liters/min)	Determination of air flow through the coil nozzle

* Given devices can be replaced with analogous means providing measurement of corresponding parameters with required accuracy.

Contact information:

Phone: +7 (347) 284-28-32

General and Technical Support Requests: lintellab@gmail.com

Website: www.bashnxa.com