



Lintel

Automated laboratory equipment for quality control

Rolling thin-film oven (RTFOT)

***Lintel*[®] PSB-10**

PASSPORT

Rolling thin-film oven (RTFOT)

LinteL[®] PSB-10

AIF 2.772.022

__ . __ . 20__

(type)

(modification)

(designation)

(serial number)

(production date)

1 MAIN TECHNICAL DATA AND CHARACTERISTICS

- 1.1 Tester for determining the aging of bitumen under the influence of high temperature and air *LinteL*[®] PSB-10 (further - the oven), for the effect of high temperature and air on a moving thin film of bitumen in accordance with the standards of GOST 33140, EN 12607-1.
- 1.2 Field of application - laboratories of industrial enterprises and organizations, research institutes.
- 1.3 The oven is made in climatic performance of the UHL4 group according to GOST 15150-69.
- 1.4 Performance data of the tester given in table 1.

Table 1 – Performance data

Parameter	Unit of measurement	Value	
		GOST 33140	EN 12607-1
Oven temperature after stabilization	°C	from 162 to 164	from 162 to 164
Air flow through the flow sensor	liter/min	from 3,8 to 4,2	from 3,8 to 4,2
Drum speed after acceleration	rpm	from 14,8 to 15,2	from 14,8 to 15,2
Fan speed after acceleration	rpm	from 1625 to 1825	from 1650 to 1850
Test duration	min	from 84 to 86	from 74 to 76 ¹
Time of heating of the oven after placing samples in the oven ² , no more	min	15	15
Voltage	V	from 198 to 242	
Frequency	Hz	from 49 to 51	
Power consumption, no more	Kilowatt (kW)	2,1	
Ambient temperature	°C	from 17 to 25	
Relative humidity, no more than	%	80	
Barometric pressure	mm Hg	From 680 to 800	

- 1.5 Weight and dimensions of the oven given in table 2.

Table 2 – Weight and dimension

Parameter	Unit of measurement	Value
Weight of the oven	kg	120
Dimensions of the oven (width x height x depth)	mm	916,6x826x823

¹ After reaching the test temperature

² At 220 V network voltage and correct initial temperature selection.

1.6 The accuracy parameters of the oven given in table 3.

Table 3 – Accuracy parameters

Indication	Unit of measurement	Value
Accuracy of the fan rotation speed	min ⁻¹	±100
Accuracy of the drum rotation speed	min ⁻¹	±0,2
Accuracy of the feed rate of hot air	liter/min	±0,2
Accuracy of maintaining the temperature of the internal space	°C	±1

1.7 Software Identification features given in table 4.

Table 4 – Software identification features

Sign	Value
Version	2.07
Checksum	B11475F7

2 SCOPE OF SUPPLY

Designation	Name	Q-ty	Note
AIF 2.772.022	Rolling thin-film oven (RTFOT) <i>Lintel</i> ® PSB-10	1	
AIF 2.772.022 RE	Operating manual	1	
AIF 2.772.022 PS	Passport	1	
AIF 2.772.022 MA	Certification program and procedure	1	
	Supplies		
AIF 6.393.039	Scraper	1	
AIF 7.350.029	Glass test cup	8	
AIF 5.176.053	Sample flowmeter	1	comes assembled
	TTS 9410 with temperature sensor TTTS 01-180 length 400 mm	1 ³	

³ On separate order

- failures of the product due to non-compliance with the rules of operation;
- mechanical damages of the oven caused by negligence in the operation of;
- damage caused by careless transportation;
- damage caused by foreign objects, dust, substances, liquids, insects, rodents entering the product;
- damage caused by a natural disaster (thunderstorm, lightning, flood, etc.);
- damage caused by non-compliance with state standards for power supply network parameters;
- Communications port (COM port) failure caused by connecting / disconnecting the peripheral device when the power is turned on;
- any other reason that is not related to the product's manufacturing defect.

4.12 Warranty does not apply to the glass test cup.

4.13 The manufacturer guarantees that the accuracy characteristics confirmed during the initial certification after transportation remain unchanged.

5 RECLAMATION PROCEDURE

5.1 Reclamation are made subject to keeping records of malfunctions during operation (see Annex A). Send the fault record list to the manufacturer with a cover letter.

5.2 To make a reclamation, please contact the following contact:

Contact information:

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

General and Technical Support Requests: lintellab@gmail.com

Website: www.bashnxa.com

ANNEX A

A SAMPLE LIST OF FAULTS

Rolling thin-film oven (RTFOT)

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(type)

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FAULT RECORDING AT OPERATION

Fault date Operation mode Load type	Fault type Fault cause	Q-ty of operating hours	Notes

(position)

(Name)

(signature)

(date)