

for testing of Windscreen Fogging



Equipment for determination of windscreen fogging according to ISO, DIN, ASTM and other automotive standards. The equipment has a compact design with the heating bath and cooling bath integrated in one casing. For cooling the water bath, the instrument is normally connected to tap water of max 18 °C. If the tap water is too warm, a model EB 03C can be supplied with a built in cooling system with Peltier elements.

Accessories

- EB 03.01 Sealing rings, L-shaped of Silicone-rubber
- EB 03.03 Glass Beaker, ISO, DIN type, with thick walls and plane bottom
- EB 03.04 Panes of glass, 110 x 110 mm
- EB 03.05 Stand for panes of glass
- EB 03.09 Aluminium foil discs, for gravimetric measurements
- EB 03.10 Filter paper
- EB 03.11 Spacer of plastic film
- EB 03.12 Stove bath fluid (modified, aliphatic alcohol)
- EB 03.13 DIDP reference liquid
- EB 03.14 UV lamp, 254 nm hand held, for cheching the tin side of glass panes
- E0248.01 Glossmeter Erichsen, Picogloss 560 MC battery operated
- EP 04-80 80 mm diameter Cutting die for cutting specimen with a cutting press
- CP 225 D Balance Sartorius, for gravimetric tests with 0,00001 g

Technical specifications

Temperature range:		
heating bath:		40 – 130 °C
cooling bath:		20 – 80 °C
Accuracy:		
heating bath:		± 0,5 °C
cooling bath:		± 0,5 °C
Dimensions w x d x h, mm:	EB 03	955 x 435 x 585
	EB 03C	955 x 530 x 585
Weight: approx.:	EB 03	57 kg
	EB 03C	67 kg
Beakers:		6
Voltage:		220-240/1/50Hz
Power:		2100 Watt
Colour:		blue green
Services:	EB 03	cooling water, 0,1 - 1,0 l/min (max 18 °C)
Peltier cooling elements:	EB 03C	200 Watt

The equipment:

- ⊕ Consists of a heating bath and a water bath, built as one unit.
- ⊕ Meets the requirements for fogging tests, according to ISO 6452 and ASTM D5393 and other automotive standards
- ⊕ The baths are made of stainless steel and the casing of powder painted steel.
- ⊕ The water cooling can be replaced by an electrical cooling system with Peltier elements. (EB 03C)

The EB 03 Fogging Tester includes the following:

- ⊕ 2 pcs temperature controllers, with 0,1 °C set point, and alarm.
- ⊕ 2 pcs solid state relays for safe control.
- ⊕ 1 pc temperature sensor selector switch.
- ⊕ 6 pcs Beakers according to ISO and DIN
- ⊕ 6 pcs Sealing rings of silicone rubber
- ⊕ 6 pcs Cooling plates
- ⊕ 2 sets of test glass (7 x 2 pc) including stand
- ⊕ 6 pcs Stainless steel rings for loading the samples
- ⊕ 6 pcs Aluminium rings for holding the beakers
- ⊕ 1 pc Stainless steel stand for the beakers (in the hot bath)
- ⊕ 1 pc Spirit Level
- ⊕ 10 pcs Aluminium foil discs for gravimetric tests
- ⊕ 1 pc Spacer of plastic film
- ⊕ 10 pcs Filter papers

Optional

- ⊕ 25 L Stove bath Fluid
- ⊕ 1 pc Erichsen 60° gloss meter

ELASTOCON reserves the right to modify these specifications in part or in whole.