



# ICON INSTRUMENTS COMPANY

(Manufacturer of Laboratory Equipment)

**IIC-144**

## LOSS ON HEATING / THIN FILM OVEN (FOR BITUMEN)

- Precise, Hot Air Drying.
- Better Mineral / Blanket Insulation for high Temperature & to avoid heat loss.
- Silent Hot Air Blower, Unique design of Air Circulation provide throughout uniform Air movement
- Unique design of ventilation keeps the surface of the instruments from being Burnt even when the instruments i.e. Oven Temperature maintained at 200°C.
- Polish / Hair Line 304 grade S. Steel sheet interior, long operation, corrosion resistant.
- Kanthal A-1 Super quality coil shaped & Air heater tubular model wound on side/on the back of the Oven for better accuracy.
- Full feature with Digital Temperature Controller cum Indicator having Alarm facility (On Customer request).
- Toughened Glass view window to observe /Test the material without disturbing the Temperature condition of the chamber.
- Working Temperature required as per IS: ASTM is 163°C ± 1°C.
- Provide with detachable metal shaft (Both for Loss on Heating / Thin Film Oven).
- Reduction gear is fitted from outside rotated by a vertical shaft having 5-6 RPM.



### Applications :

For Bitumen Testing Loss of weight, softening Point, Penetration Loss of wt in Bitumen & Flux Oils (For Construction / Road Projects Department / Industries)

Model	IIC 144 THIN FILM OVEN	IIC 144 A LOSS ON HEATING OVEN
Capacity (Liter)	60 Liter	60 Liters
Interior (mm)	400 x 400 x 400mm 16" x 16" x 16"	400 x 400 x 400mm 16" x 16" x 16"
Heater Wattage	1.5 KW.	1.5 KW.
No. of Plate Rotating	One (1 No.)	One (1 No.)

### Technical Parameters :

- Control Panel : Mains & Load Indicator Fine Temperature Controller, Digital Temperature Controller, Fan Switch, Rotating Motor, Control Switch
- Temperature Range : Ambient to ± 250°C
- Temperature Stability : ± 1°C max
- Material : CRC / MS sheet duly powder coated
- Power Consumption : 220/230V AC Supply 50 HZ single Phase
- Safety Function : Temp. Over shoot Alarm
- Interior : S. Steel 304 Grade Steel Sheet
- Temperature Setting : 1°C
- Temperature Sensitivity : 1°C
- Optional : RS 232 Communication interface



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