

Sun Cabinet, EB 08

**for ageing of rubber and plastic materials
under influence of light and water**



Sun simulating cabinet for weather ageing of rubbers and plastics under controlled conditions. EB 08 includes a metal halide arc lamp filtered to give a close fit to the sun light and a programmable water cycle to flood the samples with water.

EB 08 has controllers for the black panel temperature, together with timer for the water intervals.

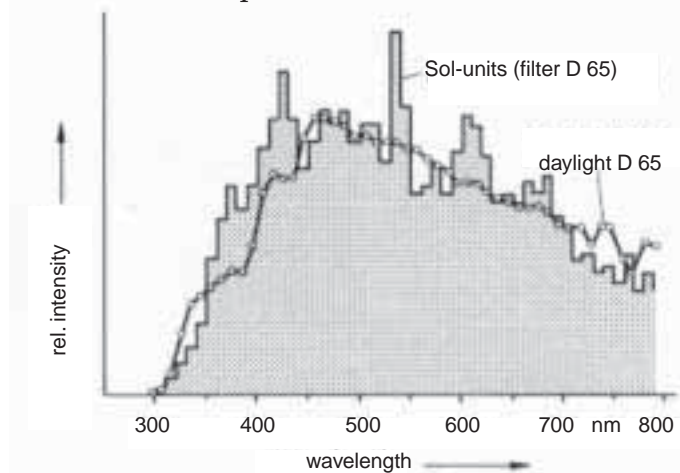
EB 08 is ideal for investigating the effects of weathering (light and water) on rubber and plastic materials in a simple and cost effective way, when compared to a conventional weathering apparatus.

Technical Specification, Sun Cabinet EB 08

Temperature range, °C	(40) - 70 * (black panel)
Accuracy, °C	± 1 °C
Temperature sensor:	TC type K on black panel (insulated back)
Light intensity; W/m ²	1 000 ± 200
Wavelengths, nm:	320 - 830
Water cycle, min	1 - 5 000
Test area, mm	380 x 380
Air speed, m/s:	1 - 3
Voltage, V:	230/50/1
Power, W:	1 000
External dimensions, w x h x d, mm:	570 x 770 x 500
Weight: kg	about 56

* the lowest temperature is depending on the ambient temperature

Spectral distribution of the filtered sun lamp



Spare Part

EB 081 Lamp

- The instrument is designed to comply with ISO 4665 (rubber) and ISO 4892 (plastic).
- The casing consists of steel, painted with epoxy powder paint in bluegreen colour.
- The inner chamber is made of stainless steel and aluminium.
- Temperature controller with PID function.
- Solid state relay for safe control.
- Adjustable over and under temperature limits with alarm.
- Run-time meter

ELASTOCON reserve the right to modify this specification in part or in whole



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