Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Heat Sealer

Product Code :

SLE/ET/08



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Phone: +91-7082934803

Description :

Heat Sealer (Product Code: SLE/ET/08) is a table-top laboratory sealing instrument used tomake controlled heat seals on plastic films and flexible packaging samples for seal and packagetesting. Two temperature zones are held by an auto-tuned PID controller up to 200 °C with 0.1 °C resolution, and a pneumatically moved jaw closes against a fixed jaw to form a 150 mm × 20 mm seal. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, to packaging laboratories and colleges looking for laboratory instruments in India.

Specifications

Parameter	Detail
Temperature zones	Two
Controller	Auto-tuned PID; temperature range up to 200 °C; resolution 0.1 °C
Sealing dimensions	Length 150 mm × width 20 mm
Clamping jaws	One fixed; the second moved by pneumatic action
Speed	300 mm/minute
Daylight	50 mm
Mounting	Table top
Power supply	230 V, 60 Hz, single phase, 15 A (as listed; confirm your site supply with us)
Product code	SLE/ET/08
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Heat Sealer Used For?

Seal quality depends on temperature, pressure and contact time, and a laboratory heat sealer lets each of these be repeated from one sample to the next. The operator places two layers of film between the jaws, the pneumatic jaw closes against the fixed jaw, and the heated zones fuse a strip 150 mm long and 20 mm wide. Because the PID controller works to 0.1 °C resolution, seals made on different days can be compared with confidence.

Packaging developers use it to find the lowest temperature that gives a sound seal on a new laminate, and quality laboratories prepare seal strips that are later pulled apart on a tensile tester to judge seal strength. Start low and raise the temperature in small steps, keep the jaw faces free of melted residue, and let the zones stabilise after every change. It also suits film and pouch exercises in engineering and packaging courses.

What to Specify When Ordering

- Mains supply at your site (listed supply: 230 V, 60 Hz, single phase, 15 A)
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