



MULTI-SAMPLE MECHANICAL STIRRER

TE-148-E1

Used for the mechanical agitation of fluids, liquids, and suspensions with temperature control.

Technical Characteristics

TE-148-E1

- Speed: 30 to 350 rpm;
- Speed control: Electronic/analog;
- Motor: 62-watt DC motor;
- Temperature: 0°C to 100°C;
- Temperature control: Digital microprocessor-based control with PID system and RBC-certified calibration;
- Sensor: Pt-100;
- Control accuracy: $\pm 0.1^{\circ}\text{C}$;
- Uniformity: $\pm 0.2^{\circ}\text{C}$;
- Heating element power: 750 watts;
- Hermetic compressor: 1/8 HP, with CFC-free R-134A refrigerant;
- Cooling capacity: 521 BTU/hour;
- Bath: 304 stainless steel;
- Bath dimensions: W=500 x D=300 x H=150 mm;
- Cabinet: 304 stainless steel;
- External dimensions: W=850 x D=400 x H=400 mm;
- Volume: 20 liters of usable capacity 20 liters of usable capacity;
- Rod and propeller (T-type): 304 stainless steel;
- Rod length: 200 mm;
- Agitation capacity: 8 tests of 500 mL;
- Number of tests: 8 samples simultaneously;
- Overall dimensions: W=850 x D=420 x H=400 mm;
- Voltage: 220 V;
- Included: 2 spare fuses, instruction manual, and warranty certificate;

Benefits and Advantages

- Intuitive operation with software control
- Control panel with touchscreen, facilitating operation and programming
- Simultaneous control of speed (RPM) and temperature, providing greater process accuracy
- Software with normal mode or ramp mode operation options
- Ramp mode with up to 4 independent programs, allowing temperature and time programming for each stage
- High processing capacity, accommodating up to 8 500 mL flasks simultaneously
- Retractable propellers, providing greater versatility and convenience during test preparation and execution
- Bath, rod, and propeller made of 304 stainless steel, providing greater durability due to reduced oxidation
- Strict quality control: inspections and tests ensure the proper operation of the equipment, providing safety and customer satisfaction
- Specialized support, providing assistance with questions and guidance on equipment operation.