

PT4-4000 & PT4-8000 Preheaters

Technical Data Sheet



PT4-4000 & PT4-8000 4-Zone Preheaters

The Metcal PT4-4000 and PT4-8000 4-Zone Preheaters provide powerful, precise heat for every application, from the most delicate to the most thermally demanding.

- Comprehensive Four-Zone Thermal Management with Rapid Heating Efficiency
- Advanced Temperature Control modes with External Thermocouple Integration
- Customizable Heating Profiles for Consistent and Repeatable Results
- Ergonomic Spring-Loaded PCB Stand with Broad Compatibility
- User-Friendly Interface for Intuitive Operation



PT4-4000 with BH-4000 Board Holder
(sold separately)

PART NUMBER	DESCRIPTION
PT4-4000-21	4-Zone Preheater, 4.7" x 4.7" (120 x 120 mm) each, 230 V-50 Hz
PT4-8000-21	4-Zone Preheater, 7.1" x 7.9" (180 x 200 mm) each , 230 V-50 Hz (single-phase), 380V-50 Hz (3-phase)

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PT4-4000 & PT4-8000 PREHEATER SPECIFICATIONS

	PT4-4000-21	PT4-8000-21
Input Voltage	230V~ 50 Hz	380V~ 50 Hz 3Φ-4W 230V~ 50 Hz 1Φ
Power	2800 W	4600 W
Controllable Temp. Range	122 °F ~ 482 °F 50 °C ~ 250 °C	
Surface Temp. Range	77 °F ~ 1112 °F 25 °C ~ 600 °C	
Number of Heating Areas	4	
Heating Area (per zone)	4.7" x 4.7" 120 mm x 120 mm	7.1" x 7.9" 180 mm x 200 mm
Total Heating Area	9.4" x 9.4" 240 mm x 240 mm	14.2" x 15.8" 360 x 400 mm
Temperature Sensors	4 K-Type	
Temperature Units	°F / °C	
Heating Power Display	0%~100%	
Temperature Compensation	±122 °F ±50 °C	
Real-time Display	Temperature & Power	
Zone Heating Control	On/Off	
Profile Management	Learning/Import/Export	
Number of Profiles	20	
Heating Mode	Temperature/Power/Profile	
Password Protection	Yes	
Sound Function	On/Off	
Temperature Lock	On/Off	
Language	English / Chinese	
USB	Profile Import/Export Functionality	
Display	2.3" / 58 mm Color	
Operating Environment	32° ~ 104°F / 0° ~ 40°C, < 85% RH	
Safety Compliance	UL & CSA, UKCA, KC, PSE, NOM, CE (ISO-14644), TUV	
Unit Dimensions (L x W x H)	12.6" x 16" x 2.9" 320 mm x 406 mm x 73 mm	24.1" x 17.7" x 2.9" 612 mm x 450 mm x 73 mm
Unit Weight	≈ 10.8 lbs 4.9 Kg	≈ 20.2 lbs 9.1 Kg

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