

PT4-4000 Series & PT4-800 Series Preheaters

Technical Data Sheet



PT4-4000 Series & PT4-8000 Series 4-Zone Preheaters

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

- 4 Heating Zones, 4 Temperature Sensors
- Temperature range of 50 °C ~ 250 °C
- Intuitive User Interface for Simply yet Robust Operation
- 2 Sizes to fit your needs: 320 mm x 406 mm & 612 mm x 450 mm
- Compatible Board Holders are available (BH-4000 & BH-8000)



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

PART NUMBER	DESCRIPTION
PT4-4000-11	4-Zone Preheater, 20 mm x 120 mm each, 115 V-60 Hz
PT4-4000-21	4-Zone Preheater, 120 mm x 120 mm each, 230 V-50 Hz
PT4-8000-11	4-Zone Preheater, 180 mm x 200 mm each, 115 V -60 Hz (single-phase), 208 V-60 Hz (3-phase)
PT4-8000-21	4-Zone Preheater, 180 mm x 200 mm each, 230 V ~50 Hz (single-phase), 380 V-50 Hz (3-phase)

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PT4-4000 & PT4-8000 PREHEATER SPECIFICATIONS

	PT4-4000-11	PT4-4000-21	PT4-8000-11	PT4-8000-21
Input Voltage	115 V~ 60 Hz	230 V~ 50 Hz	208 V~ 60 Hz (Three-phase four-wire) 115 V~ 60 Hz (Single-phase source)	380 V~ 50 Hz (Three-phase four-wire) 230 V~ 50 Hz (Single-phase source)
Power	1500 W	2800 W	4800 W	4600 W
Temperature Range	50 °C ~ 250 °C / 122 °F ~ 482 °F			
Number of Heating Areas	4			
Heating Area (per zone)	120 mm x 120 mm		180 mm x 200 mm	
Temperature Sensors	4			
External Test Temperature Range	25 °C ~ 600 °C/77 °F ~ 1112 °F			
Temperature Unit	°C/°F			
Heating Power Display	0%~100%			
Temperature Compensation	±50 °C/±122 °F			
Real-time Curve	Supported			
External Device Control	Supported			
Zone Heating Control	Supported			
Profile Archive	Profile Settings/Learning/Import			
Work Mode	Temperature/Power/ Curve (Default is Power)			
Password Protection	Supported (Default is Disabled)			
Sound Function	Supported (Default is On)			
Temperature Lock	Supported (Default is Disabled)			
Language	English / Chinese			
USB	Profile Import/Export Functionality			
Communication Interface	RS485			
Display	TFT Color Screens			
Operating Environment	Temperatures 0 °C ~ 40 °C, Humidity < 85% RH			
Dimensions (LxWxH)	320 mm x 406 mm x 73 mm		612 mm x 450 mm x 73 mm	
Weight (Main Unit)	≈ 4.9 Kg		≈ 9.1 Kg	