

TC5200



**mastip**<sup>TM</sup>  
hot runner solutions

# METICOM

## Temperature Controllers

### TC5H / TC5100 / TC5200

TC5100



TC5H



**Mastip's METICOM TC5H, TC5100 and TC5200 Temperature Controllers are CE approved, high quality, reliable control systems that are flexible, easy to set up and simple to operate.**

#### METICOM TC5100 / TC5200

Designed for quick installation and able to deliver consistently under demanding conditions, the METICOM control system provides accurate control of your Hot Runner System temperature.

Easy-to-use navigation with color touch screens and module memory settings (internal and external USB drive) that allow injection moulders to conveniently save settings for quick tool changes. The METICOM has a variety of configurations that can be utilised in any injection molding environment. The graphical user interface (GUI), along with an adjustable angle screen, allows for easy adoption and fast set up of the multi-point controller.

#### Features

The TC5100 accommodates 12 to 36 zones and the TC5200 has 26 to 72 zones and can accommodate up to 120 zones in a network. The modular design allows for easy maintenance and configuration.

#### Benefits

- Soft Start function to protect heaters during startup
- Idle mode after power failure, to protect hot runner system and mold
- Self test on startup
- CE certified
- Easy to use touch screen interface
- Mould and module diagnostics
- Quick multi-zone setup
- Power usage display
- Synchronous heating and cooling
- Automatic heater and thermocouple detection and monitoring

# METICOM TC5H

## Temperature Control Module

### Features TC5H

With a simple, stackable design with recessed handles and built-in circuit breakers, the TC5H cabinets accommodates from 2 to 12 Zones or can be customised to suit specific configurations .

The Mastip Module cards are designed for flexibility and are interchangeable with most cabinet brands. Mastip can supply just cards for existing cabinets or complete units for any configuration. The TC5H has a fan built-in and can quickly alternate between 230v/380v power input.



### Features TC5H

- Blown Fuse detector
- Display function of current and output ratio
- Smart SOFT START function
- Auto/Manual Selection Function
- PID Automatic Temperature Control
- Output percentage limit setting
- LCD display module
- One-key start(stop) / standby(boost) function
- Built-in alert alarm
- CE certified
- Over-voltage protection
- Heater short-circuit protection
- Automatic detection of wire breakage of heater
- TRIAC short-circuit protection
- Detection for reverse troubleshooting sensor wiring temperatures



TC5H	2 zones	4 zones	6 zones	8 zones	12 zones
Type	T5B02	T5B04	T5B06	T5B08	T5B12
Power Switch Capacity(A)	32	32	63	63	63
Output Connector	16pins x1	16pins x1	16pins x2	16pins x2	24pins x2
Power Cable	5.5mm <sup>2</sup> x 5C x 3M	5.5mm <sup>2</sup> x 5C x 3M	8mm <sup>2</sup> x 5C x 3M	8mm <sup>2</sup> x 5C x 3M	8mm <sup>2</sup> x 5C x 3M
Easy Input Switching	Yes	Yes	Yes	Yes	Yes
Dimension W x H x D (mm)	179 x 204 x 329	281 x 204 x 329	383 x 204 x 329	485 x 204 x 329	587 x 204 x 329

\* Warranty: Meticom TC5H series Hot Runner Temperature Controller Module -12 months  
Meticom TC5100 / TC5200 Multi-Cavity Hot Runner Temperature Controller -2 years - Excluded from warranty: Touch Screen Interface (HMI) 1 year. Components which are subject to wear or which are damaged by misuse are not warranted. These items include temperature sensors, contact points, fuses, electro-mechanical relays and triacs. Units that have been modified by the buyer are not warranted. For further details refer to the standard Mastip warranty

