Precise multi zone temperature control
The compact easy-to-use mobile control unit:
I-Series Pro Temperature Controllers

I-Series Pro (Europe)
I-Series Pro controllers are...

- Mobile multi-zone controllers
- With minimum 12 and maximum 96* control zones
- Consisting of
  a) control cards with 2 control zones each
  b) being placed into mobile cabinets of different sizes
  c) including a 10.2" touch screen display on top
- To be used for hot runner systems with a high number of control zones → d).

*144 control zones on request

Functions and features

- Auto mode with PID2 control
- Automatic or manual modes of operation
- Soft start, boost and stand-by modes included
- Mold testing: Wires, thermocouples and heaters
- Overvoltage protection
- Heater short cut protection
- Alarm/Error Coding & Alarm History
- Three viewing display formats: text, graph and digital
- Thermocouple settings J or K type
- Setting can be switched between °C and F°
- Wiring and connection according to customer specification
- Multi-language interface:
  → English → Russian
  → German → Polish
  → Italian → Chinese
  → Spanish → Japanese
  → Swedish → Korean

Benefits

- Precise temperature control for a high no. of control zones
- Compact and mobile control unit
- Intuitive and easy usage via touch screen
Modes of operation and functions

Modes of operation

- Auto mode (standard)
- Zero crossing or phase
- Standby mode
- Manual mode
- Boost mode

Protection functions

- Ground fault
- T/C open
- Over current
- Soft-start
- High/low current
- Overvoltage protection
- Heater short cut protection

Enhanced operation functions

- Multi-language interface: EN, DE, IT, ES, SE, RU, PL, CN, JP, KR
- Mold testing: Wires, thermocouples and heaters
- Mold set up storage - internally & via USB
- Alarm/Error Coding & Alarm History

<table>
<thead>
<tr>
<th>Standard models</th>
<th>h1</th>
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<tbody>
<tr>
<td>12 zone controller</td>
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</tbody>
</table>

Temperature control

- No. of control zones: 12…96*
- Zones per control card: 2
- Control algorithm: PID2
- Control accuracy: ± 0.3 °C
- Calibration accuracy: 0.1 °C
- Operation range: 30…500 °C
- Temperature display: °C / °F
- User selectable standby temperature: 30…500 °C

*144 control zones on request

Signal input

- Thermocouple type: J / K
- Internal cold junction compensation: ✔
- External resistance: 10 M Ohm

Electro specification

- Input power, 3 phase (5 wires: 3Ph +N +E): 240 / 230 V AC
- Frequency: 50/60 Hz
- Current/power per control zone: 15 Amp / 3600 W
- Customized wiring and connections: ✔
- Ambient temperature for operation: 0…50 °C
- Operation humidity, non-condensing: …90%