

# IPC5000 Series



Easier By Design

Universal Programmable Controller

**Honeywell**



**| 5.7" LCD Touch Screen Panel |**

Graphical LCD display with touch screen function keys for easy configuration & operation

**| 2 Universal Inputs |**

Accept thermocouple, RTD, mA and voltage inputs with its two low-level input types (See Table 1. on page)

**| 0.1% Input Accuracy |**

Analog inputs with typical accuracy of  $\pm 0.1\%$  of the full-scale input.

**| 12 DIs/12 DOs |**

12 digital input points that can be connected to nonvoltage contact (relay contact) or open collector (sink current toward 0V), which are allocated to pre-defined actions. 12 digital outputs can be assigned to 4 different types of events (MODE, Alarm, Time and PV)

**| Asynchronous/Synchronous Mode |**

Two independent loop controls that can be performed with different programs, and also be done simultaneously in one program.

**| 32 Programs, 800 segments |**

32 programs can be programmed within 100 segments for each and every 800 segments in total. Linked up to 10 programs for one running operation, and each program comes in 5 individual repeat groups.

**| Ethernet Communication |**

Communication link is provided between IPC5000 and a host computer, or PLC via RS422/485 Modbus® RTU or Ethernet TCP/IP communications options.

**| IP65 Front Face Protection |**

IP65 rated front face is permitted in applications subjected to moisture & dust conditions

**| Real Time Clock |**

IPC5000 provides accurate time which makes it possible to schedule running operation.

**| PC Configuration |**

Free-software from IPC5000 provides PC configuration and operation, for real-time process monitoring

**| Heat/Cool Capability |**

Each control loop provides split range control with independent PID tuning constants – one for heating, and the other for cooling – plus mixed output forms.

**| Multi-Language Prompts |**

3 different languages are available for selection via configuration and displayed.

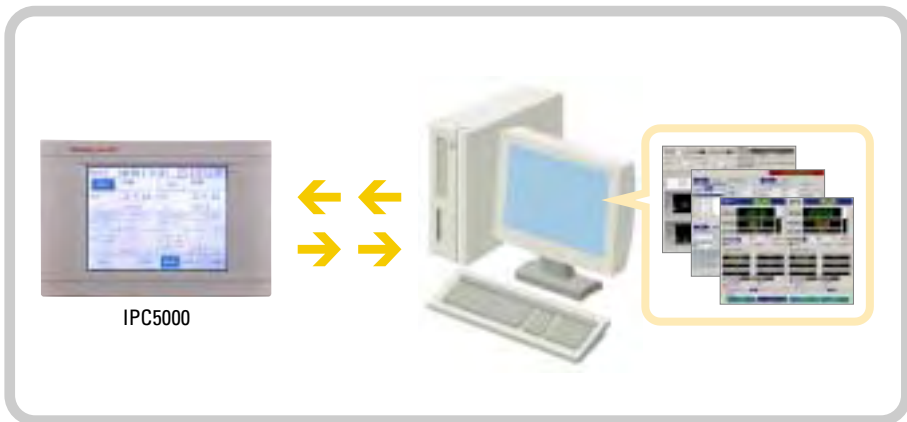
**| Major Applications |**

- Vacuum Furnace
- High Temperature Oven
- Autoclave
- Test Chamber
- Test Bench
- Environmental Chamber
- Clean Room
- Retort Oven
- Pressure Cooker
- Dyeing Machine
- Reactor

Features	IPC5000
Interface	5.7" LCD
Operation	Touch screen panel
Front Face Enclosure	IP65
Control Loop	2 control loops (asynchronous & synchronous)
Scan Time	100ms
Communication	RS-232C, RS-485, Ethernet
Analog Input	2 universal inputs *
Analog Output	2 universal outputs (standard) + 2 universal outputs (optional)
Digital Input	12 points (including 2 trouble messages)
Digital Output	12 points (configurable)

\* One additional input available, but its functional purpose should be defined thru customization

**Host Computer Display Samples**



For more information, contact your local Honeywell representative.

**Honeywell Process Solutions**

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