

IPT-200

Instrumentation and Process Control Trainer

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EN IPT-200 Instrumentation and Process Control Trainer

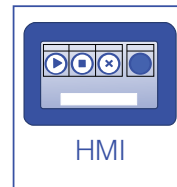
The Instrumentation and Process Control Trainer allows students performing hands-on experiments in Pressure, Flow and Level applications. The systems unique design allows rapid conversion between Pressure, Flow and Level experiments by adjusting the position of valves. All devices are pre-wired to terminal strips allowing for quick circuit modification. Activities in loop wiring, transmitter setup and loop tuning of PID parameters provide a thorough understanding of Process Control. The system is delivered in a mobile frame version and allows to include several add-ons.

IPT-200 INSTRUMENTATION

DIFFERENT CONTROLLER OPTIONS



DIFFERENT HMI



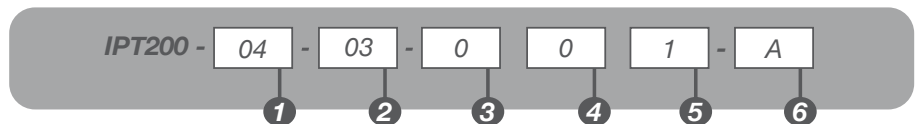
TREND VIEWER AVAILABLE



TOPICS COVERED

- Trainer Familiarization
 - » System P&ID
 - » System Connections
 - » Operator Control Panel
 - » Single Loop PID Controller
 - » Trend Viewer
- Introduction to Process Control
- Open Loop Control
- Closed Loop Control
- Level Measurement and Level Control
- Pressure Measurement and Pressure Control
- Flow Measurement and Flow Control
- Temperature Measurement and Temperature Control (Option)

* The content of this document may change without prior notification



- Select at least one
- 1 Controller options**
- 01 AB Micro800
 - 02 AB MicroLogix 1100
 - 03 AB CompactLogix¹
 - 04 Siemens S7-1200
 - 05 Siemens S7-1500
 - 06 Siemens S7-300¹
 - 07 Omron CP1
 - 08 Mitsubishi FX-3
 - 09 Automation Direct Do-More
 - 00 No PLC

¹ Software not included

- Select one
- 2 HMI Options**
- 01 AB 7" Micro PanelView
 - 02 AB PanelView Plus 7"¹
 - 03 Siemens KTP-700 7"
 - 04 Omron NB 7"
 - 05 Mitsubishi GS 7"
 - 06 Automation Direct C-More
 - 00 No HMI

¹ Software not included

- Select all required
- 3 Software options**
- A PLC Software for AB Option
(To be included for controller option 03)
 - B PLC Software for Siemens Option
(To be included for controller option 06)
 - C HMI Software for AB Option
(To be included for HMI option 02)
 - D No software

INSTRUMENTATION AND PROCESS CONTROL TRAINER



HOW TO ORDER

Select one

4 **Trend viewer**

- 1 Trend viewer/recorded option
- 0 Not trend viewer

Select one

5 **Fault Insertion**

- 1 Fault Insertion
- 0 Not fault insertion

Select all required

6 **Add-Ons**

- A Sensors (On/Off Control)²
- B Smart (HART) DP Transmitter²
- C Paddle Wheel Flow Transmitter
- D Venturi Tube Flow Element
- E Orifice Plate Flow Element
- F Pneumatic V-Notch Ball Valve
- G Pneumatic Diaphragm Valve
- H Temperature Add-on (Air)
- I Temperature Add-on (Water)
- J Temperature Transmitter (HART)
- 0 None

² Required DP Transmitter (B)

training

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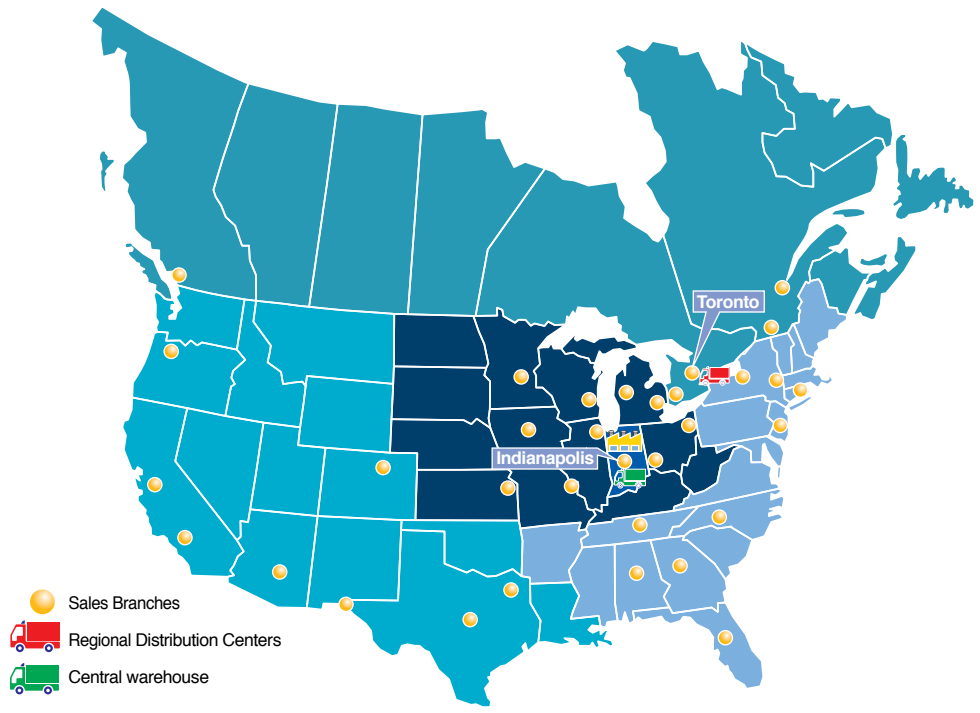
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