

## Process Instrumentation- Pressure, Temperature and Positioners (PI-PTP)

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### Short Description

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Process Instrumentation- Pressure, Temperature and Positioners

### Objectives

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Combining hands-on tutorials with theory sessions, this course teaches participants the principles of field instrumentation, including pressure and temperature measurement, and electro-pneumatic and ultrasonic technologies. Working with the PI product portfolio, students gain an understanding of common applications, troubleshooting, customer requirements, and how to select a suitable product.

### Target Group

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Service personnel and customers using process instruments.

### Content

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#### 1. Pressure

- a. Introduction to pressure principles and technology
- b. Pressure terminology
- c. Programming
- d. Common applications
- e. Maintenance and troubleshooting

#### 2. Temperature

- a. Theory
- b. Transmitter design
- c. Programming temperature diagnostics

#### 3. Valve Positioners

- a. Introduction to Valve positioners
- b. Valve positioner technology
- c. Programming and initialization
- d. Applications

### Prerequisites

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Basic knowledge on plant instrumentation.

### Type

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Face-to-face training

### Duration

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3 days

### Language

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en

### Fee

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12,652 ZAR