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# ***ABLE Instruments & Controls Limited***

## **Introduction to Pressure Instrumentation**

**Course Code: PT001B, ½ day; Instructor-Led**

**Venue: ABLE Training Centre, Dyce, Aberdeen**

## ***ABLE Training - Education and Certification***

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## Introduction

Elements of this syllabus are subject to change.

A half-day review of pressure instrumentation designed to provide a broad understanding of the various types of commonly-used instruments and their applications. Delegates will have the opportunity to use common types of pressure instruments on the ABLE process rig.

## Audience

This course is suitable for those who would like an overview of pressure instrumentation and their applications but do not require in-depth knowledge of individual instrument technologies, which can be achieved on subsequent courses.

It is particularly suitable for:

- Graduates
- Managers
- Process Engineers
- Instrument Engineers
- Design Engineers
- Buyers

## Course Objectives

To provide delegates with the following:

- attain a basic understanding of common types of pressure instrument technologies, their operation and the advantages and disadvantages of each
- a better understanding of the principles of pressure instrumentation and the ability to apply the most suitable technology to an application
- an opportunity to see and use common types of pressure instruments in an operational situation on the ABLE rig
- have an insight into the practical operation of a variety of pressure instrumentation
- recognise the various types of commonly-used pressure instrumentation and explain their basic function



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## Prerequisites

This course requires that students meet the following prerequisites:

- There are no prerequisites for this course.

## Course Materials

The student kit includes a workbook for this class.

## Course Outline

- Why measure Pressure ?
- The applications and benefits of using pressure instrumentation
- Overview of the range of pressure instrument technologies available
- Principles of measurement – advantages and disadvantages
- Pressure instruments
  - Overview of the main types
  - Demonstration of main types