
ABLE Instruments & Controls Limited

Introduction to Temperature Instrumentation

Course Code: TT001B, 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 temperature 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 temperature instruments on the ABLE process rig.

Audience

This course is suitable for those who would like an overview of temperature 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 temperature instrument technologies, their operation and the advantages and disadvantages of each
- a better understanding of the principles of temperature instrumentation and the ability to apply the most suitable technology to an application
- an opportunity to see and use common types of temperature instruments in an operational situation on the ABLE rig
- have an insight into the practical operation of a variety of temperature instrumentation
- recognise the various types of commonly-used temperature 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

- The applications and benefits of using temperature instrumentation
- Overview of common temperature instrument technology
- Principles of measurement – advantages and disadvantages
- Temperature instruments
 - Overview of the main types
 - Demonstration of the main types