

## ULTRAMAT 23 Advanced user (SC-G-UL23)

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### Short Description

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Commissioning and operation ULTRAMAT 23  
Diagnostics  
Infrared absorption  
NDIR principle  
Oxygen cell, gas sample preparation

### Target Group

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- Service personnel
- Commissioning engineers
- Configuring engineers
- Project manager
- Project members
- Operators
- Users

### Content

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- Infrared absorption according to the NDIR principle
- Micro flow sensor
- Measurement of infrared active gases and oxygen
- Structure and function of analyzers controlled by microprocessors
- Single beam infrared cells
- Electrochemical oxygen cell
- Commissioning and use of the ULTRAMAT 23
- Preventive maintenance
- Failure diagnosis and remedy
- Practical exercises in the laboratory

### Prerequisites

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Basic knowledge of process analysis.  
General knowledge of electrical engineering.

### Type

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Face-to-face training

### Duration

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2 days

### Language

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