



Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

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COURSE BROCHURE

Flammable Gas Testing with Handheld Electronic Instruments

Health Sciences and Social Services / Preventive Health

Unit Standard 259637 · NQF Level 2 · 2 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills to safely test for flammable gases using handheld electronic instruments, interpret readings, and take appropriate action in accordance with South African health and safety regulations. It is designed to ensure competence in gas detection procedures, instrument calibration, and emergency response in hazardous environments.

Category	Health Sciences and Social Services
Subfield	Preventive Health
Unit Standard	259637
Accreditation	SAQA Accredited · NQF Level 2 · 2 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate the correct procedure for calibrating and zeroing a handheld electronic flammable gas detector before use.
- Apply safe testing techniques to measure flammable gas concentrations in various environments.
- Interpret instrument readings and evaluate whether gas levels are within safe limits.
- Analyze potential hazards and determine appropriate actions based on test results.
- Implement emergency procedures and communicate findings effectively to relevant personnel.
- Complete documentation and incident reports in compliance with organisational and regulatory requirements.

WHO SHOULD ATTEND

- This course is intended for safety officers, technicians, and operational personnel who are required to perform gas testing in confined spaces, industrial plants, or other potentially explosive atmospheres.

COURSE OUTLINE

Day 1: Fundamentals of Flammable Gas Testing with Handheld Instruments

- Introduction to flammable gases and their properties.
- Overview of gas testing standards and regulations (e.g., SAQA, SANS).
- Types of handheld electronic gas detectors and their sensors (catalytic, infrared).
- Instrument controls, displays, and alarm systems.
- Pre-use checks: battery, sensor, calibration verification.
- Safe testing procedures: purging, sampling, and environmental considerations.
- Interpreting readings: %LEL, %volume, and alarm thresholds.
- Documentation and reporting of test results.

ASSESSMENT & CERTIFICATION

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **2 NQF credits** at **NQF Level 2**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 12,800.00	R 12,800.00
1	In-House	R 16,600.00	R 16,600.00
1	On-Campus (Pretoria)	R 19,200.00	R 19,200.00

UPCOMING SESSIONS

Start	End	Method	Venue
11 Aug 2026	11 Aug 2026	On-Campus	Dubai, UAE
12 Aug 2026	12 Aug 2026	On-Campus	Pretoria, South Africa
13 Aug 2026	13 Aug 2026	On-Campus	Abu Dhabi, UAE
14 Aug 2026	14 Aug 2026	On-Campus	Durban, South Africa
14 Aug 2026	14 Aug 2026	On-Campus	Mauritius
17 Aug 2026	17 Aug 2026	On-Campus	Harare, Zimbabwe
17 Aug 2026	17 Aug 2026	On-Campus	Dubai, UAE
18 Aug 2026	18 Aug 2026	On-Campus	Pretoria, South Africa

Contact us if no suitable date is listed – on-demand sessions can be arranged for groups.

HOW TO GET A QUOTE OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard 259637) and click **Get A Quote / Apply**. Select your training method and number of delegates – your quotation is generated immediately and emailed to you with the course brochure attached.
2. **Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to apply@aaticd.co.za – our team will reply with a formal quotation.
3. **Apply by phone or WhatsApp:** call **+27 12 004 8389** or WhatsApp **+27 65 077 6310** and we will prepare your quotation and reserve your seats.
4. **Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically – the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

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