



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

Wet Kata Thermometer Cooling Power Measurement

Health Sciences and Social Services / Preventive Health

Unit Standard 259625 · NQF Level 2 · 2 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the skills to accurately measure cooling power and low air velocity using a wet Kata thermometer, a critical instrument for assessing thermal comfort and heat stress in occupational environments. Participants will understand the principles of evaporative cooling and air movement, enabling them to conduct reliable measurements and interpret results for workplace safety compliance.

Category	Health Sciences and Social Services
Subfield	Preventive Health
Unit Standard	259625
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 setup and calibration of a wet Kata thermometer for cooling power measurement.
- Apply the wet Kata thermometer technique to measure low air velocity in indoor and semi-enclosed environments.
- Analyze measurement data to assess cooling power and air movement against occupational health standards.
- Evaluate the impact of environmental factors (temperature, humidity, radiant heat) on cooling power readings.
- Interpret results to recommend control measures for heat stress management.

WHO SHOULD ATTEND

- Health and safety officers, environmental health practitioners, and industrial hygienists responsible for monitoring thermal conditions in workplaces such as mines, foundries, and manufacturing plants.

COURSE OUTLINE

Day 1: Wet Kata Thermometer Cooling Power Measurement

- Introduction to thermal environment assessment and cooling power.
- Principles of the wet kata thermometer (evaporative cooling and air movement).
- Components: kata thermometer, water bath, stopwatch, and mounting.
- Preparation and calibration of the wet kata thermometer.
- Step-by-step measurement procedure: wetting, timing, and recording.
- Factors affecting cooling power: temperature, humidity, air velocity.
- Calculation and interpretation of cooling power values.
- Safety precautions and equipment maintenance.

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
10 Aug 2026	10 Aug 2026	On-Campus	Abu Dhabi, UAE
11 Aug 2026	11 Aug 2026	On-Campus	Durban, South Africa
11 Aug 2026	11 Aug 2026	On-Campus	Mauritius
12 Aug 2026	12 Aug 2026	On-Campus	Cape Town, South Africa
13 Aug 2026	13 Aug 2026	On-Campus	Dubai, UAE
14 Aug 2026	14 Aug 2026	On-Campus	Pretoria, South Africa
17 Aug 2026	17 Aug 2026	On-Campus	Durban, South Africa
18 Aug 2026	18 Aug 2026	On-Campus	Shenzhen, China

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 259625) 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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