Garnet
Garnet Global Training Center

GGT-EI-126

Electrical, Instrumentation & Control

Flow Measurement Technologies

تقنيات قياس التدفق

Duration	Language	Formats	Hours	Level
5 or 10 days	**English or Arabic**	**Classroom, online, in-house**	**35 / 70**	**Intermediate (practitioner)**

Overview

Participants in Flow Measurement Technologies practise the methods, tools and standards they need to perform reliably and solve problems on the job. Power, protection and automation skills for plants, utilities and smart infrastructure. You can join a public session in one of 20 cities or live online, in English or Arabic, or bring the course in-house with examples from your own operations.

What you will be able to do

- Apply the methods and standards of Flow Measurement Technologies to real tasks.
- Share good practice with your team.
- Use the right tools, checks and calculations step by step.
- Diagnose common problems and identify root causes.
- Interpret data and results correctly and act on them.

Who should attend

Electrical, instrumentation and control engineers, technicians and maintenance leads. Practitioners with one to five years of experience benefit most.

Key topics

- Power system fundamentals and studies
- Protection, earthing and safety
- Control system architecture
- Field devices and loop checking
- IEC and IEEE standards
- Troubleshooting with real fault records

Formats and fees

5-day classroom	**USD 4,750**
5-day online	**USD 2,950**
10-day classroom	**USD 8,950**
10-day online	**USD 5,450**
In-house	**Quotation per group**

Fees per participant, excluding VAT.

Register or ask

WhatsApp: +971 56 674 7382

Email: info@garnettrainings.com

Training: training@garnettrainings.com

Web: garnettrainings.com

Sharjah Publishing City Free Zone, Sharjah, UAE

Certificate

Participants who attend at least 90% of sessions and complete the final assessment receive a certificate of completion stating 35 contact hours (5-day) or 70 contact hours (10-day).

5-day outline

Day 1 Flow Measurement Technologies: principles and standards

- Power system fundamentals and studies
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice

- Protection, earthing and safety
- Control system architecture

Day 3 Diagnosis and problem solving

- Field devices and loop checking
- Regional and international case studies

Day 4 Quality, safety and documentation

- IEC and IEEE standards
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan

- Troubleshooting with real fault records
- Group discussion and peer review

10-day outline

Day 1 Flow Measurement Technologies: principles and standards

- Power system fundamentals and studies
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice

- Protection, earthing and safety
- Control system architecture

Day 3 Diagnosis and problem solving

- Field devices and loop checking
- Regional and international case studies

Day 4 Quality, safety and documentation

- IEC and IEEE standards
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan

- Troubleshooting with real fault records
- Group discussion and peer review

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Measurement and reporting

Day 7 Digital tools, data and automation

- Analysis tools and software
- Using AI in this field

Day 8 Benchmarking against international practice

- Global performance benchmarks
- Hands-on workshop on a workplace challenge

Day 9 Capstone project

- Analyse a real challenge from your organisation
- Build the solution and implementation plan

Day 10 Presentations, final assessment and certificates

- Project presentations and review
- Final exam and certificate award

Schedule 2027–2030

Dates	Format	City	Language	Fee (USD)
12–16 Apr 2027	5-day classroom	Dubai	Arabic	4,750
19–23 Sep 2027	5-day classroom	Muscat	Arabic	4,750
1–12 Nov 2027	10-day classroom	Amsterdam	English	8,950
20–24 Dec 2027	5-day online	Live online	English	2,950
10–14 Apr 2028	5-day classroom	Abu Dhabi	Arabic	4,750
17–21 Jul 2028	5-day classroom	Barcelona	English	4,750
13–24 Nov 2028	10-day classroom	Dubai	Arabic	8,950
18–29 Dec 2028	10-day online	Live online	English	5,450
15–19 Jan 2029	5-day classroom	Istanbul	English	4,750

Dates	Format	City	Language	Fee (USD)
19–23 Mar 2029	5-day online	Live online	Arabic	2,950
9–13 Jul 2029	5-day classroom	Dubai	Arabic	4,750
5–16 Nov 2029	10-day classroom	Barcelona	English	8,950
21 Apr – 2 May 2030	10-day classroom	Riyadh	Arabic	8,950
10–21 Jun 2030	10-day online	Live online	English	5,450
16–20 Sep 2030	5-day classroom	London	English	4,750
11–15 Nov 2030	5-day classroom	Abu Dhabi	Arabic	4,750

Customised and in-house versions of this course are available on request. garnettrainings.com/en/customise/