



Process Instrumentation & Measurement: Practical Workshop

Instrumentation, Control & Automation

QGT-INS-143 | Practical workshop | 5 or 10 days | Online, classroom, in-house

Course overview

Process Instrumentation & Measurement: Practical Workshop is a hands-on workshop built around exercises and real site problems in Process Instrumentation & Measurement. It covers the principles, the requirements of ISA, IEC 61511, IEC 61508 and IEC 62443, and the practical methods used on site, with case studies from operations in the Gulf, Africa and worldwide. Available online, in the classroom in 60 cities, or in-house.

What participants will be able to do

- Explain the principles, terminology and scope of Process Instrumentation & Measurement
- Apply the relevant requirements of ISA, IEC 61511, IEC 61508 and IEC 62443
- Use practical tools, checklists and calculations with confidence
- Recognise common problems, risks and root causes and choose the right corrective action
- Prepare an improvement plan for their own site or organisation

Who should attend

Designed for instrument and control engineers, technicians and control room staff who want practice rather than theory.

Course outline (5 days)

Day 1: Workshop briefing and baseline

Participants bring a real problem from their own site

Day 2: Guided practice 1

Hands-on exercises using templates, checklists and calculators

Day 3: Guided practice 2

Simulations and role-play based on Process Instrumentation & Measurement scenarios

Day 4: Field cases from the Gulf and Africa

Analysing what went wrong and what worked

Day 5: Action plan and peer review

Each participant leaves with a reviewed improvement plan

What the 10-day edition adds

Day 6: Applied project, part 1 – Apply the week-one methods to a case from your organisation

Day 7: Data and digital tools – Software, spreadsheets and digital tools used in practice

Day 8: Lessons from incidents and audits – What investigations and audit findings teach

Day 9: Applied project, part 2 – Complete, test and refine your solution

Day 10: Presentations and final assessment – Present to the group and complete the final assessment

Fees (USD per participant)

Duration	Live online	Classroom	In-house
5 days	\$3,000	\$5,500	On quote
10 days	\$5,500	\$9,900	On quote

Fees include course material and certificate of completion; classroom fees include refreshments and lunch. In-house training is priced per group.

Dates and cities 2027–2030

Dates	City	Format	Duration	Fee
15–19 Mar 2027	Copenhagen	Classroom	5 days	\$5,500
29 Mar – 9 Apr 2027	Nairobi	Classroom	10 days	\$9,900
31 May – 4 Jun 2027	Prague	Classroom	5 days	\$5,500
30 Aug – 10 Sep 2027	Vienna	Classroom	10 days	\$9,900
6–10 Sep 2027	Online (live)	Online (live)	5 days	\$3,000
7–11 Feb 2028	Geneva	Classroom	5 days	\$5,500
11–22 Jun 2028	Erbil	Classroom	10 days	\$9,900
10–14 Jul 2028	Vienna	Classroom	5 days	\$5,500
30 Jul – 10 Aug 2028	Cairo	Classroom	10 days	\$9,900
27 Nov – 1 Dec 2028	Online (live)	Online (live)	5 days	\$3,000
2–6 Apr 2029	Munich	Classroom	5 days	\$5,500
11–22 Jun 2029	Kigali	Classroom	10 days	\$9,900
10–14 Sep 2029	Manchester	Classroom	5 days	\$5,500
16–27 Sep 2029	Sharm El Sheikh	Classroom	10 days	\$9,900
26–30 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
12–16 May 2030	Algiers	Classroom	5 days	\$5,500
27 May – 7 Jun 2030	Sharjah	Classroom	10 days	\$9,900
17–21 Jun 2030	Dublin	Classroom	5 days	\$5,500
6–17 Oct 2030	Doha	Classroom	10 days	\$9,900
21–25 Oct 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/process-instrumentation-and-measurement-practical-works>

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