EffecTech

global leaders in gas measurement

ISO 17043 accredited Proficiency Testing Scheme Provider | ISO 17025 accredited Calibration Laboratory

Stack Emissions Proficiency Testing Scheme (SEPTS)

EffecTech, an ISO 17043 accredited Proficiency Testing Scheme Provider, offers an annual Stack Emissions Proficiency Testing Scheme (SEPTS) for companies providing stack testing services. Participation in the scheme ensures companies comply with the ISO 17025 requirement for laboratories to assure the quality of their testing and calibration capabilities.

For more info visit:
www.effectech.co.uk/septs

or scan the QR code above

How it works

Each participating laboratory will receive a synthetic gas mixture in a cylinder to analyse. The analysis results are then reported back to EffecTech, where the values are compared to the actual reference values determined by EffecTech.

The closeness of each laboratory's results to the actual composition of the gas mixture forms the basis of a quantitative assessment of their capability and performance. The full set of results for all laboratories are reported anonymously to the whole group, with each participant being made aware of the identity of their own result.

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EffecTech (United Kingdom): Dove House, Dove Fields, Uttoxeter, Staffordshire, ST14 8HU United Kingdom

EffecTech also operates laboratories in key locations in India and Qatar.

ilac-MRA

UKAS CALIBRATION 0590

UKAS TESTING 1927

UKAS PROFICIENCY TESTING 4719

Benefits of the scheme

Each participant will receive their own cylinders for analysis:

- EffecTech is an ISO 17043 accredited Proficiency Testing Scheme Provider so participation ensures compliance with ISO 17025 requirements for the quality of testing and calibration capabilities
- No cylinder rental payments
- Companies with multiple teams need only purchase one set of gases and can submit multiple sets of results for a small additional fee
- After completion of the PT scheme, the customer can request an ISO 17025 certificate of calibration for each cylinder free of charge, so the gas can be used to establish traceability
- All initial transport of cylinders to the participants' requested location will be arranged by EffecTech and recharged at cost
- Samples are prepared and calibrated by EffecTech's ISO 17025 accredited laboratory
- Cylinders can be supplied with British Standard, CGA or DIN valves as required

Once a member of the scheme, EffecTech will contact each laboratory annually with a reminder for the next round.

The Proficiency Testing Scheme Scope

Mixture Types		Composition range (mol/mol)
sulphur dioxide in nitrogen		50 ppm to 1000 ppm
propane in 10 % oxygen /nitrogen		1 ppm to 50 ppm
nitric oxide in nitrogen		5 ppm to 500 ppm
carbon monoxide in nitrogen		50 ppm to 1000 ppm
oxygen in nitrogen		2 % to 14 %
carbon dioxide in nitrogen		1 % to 10 %
NO/NO_2 Mix	nitric oxide (NO) in NO/NO_2 mix	40 ppm to 400 ppm
	nitrogen oxides (NO_x) in NO/NO_2 mix	50 ppm to 500 ppm

Other Products and Services from EffecTech

Calibration Gases and Speciality Gases

EffecTech, through its UKAS accredited calibration laboratory, provides high quality gas mixtures with unrivalled traceability, accuracy, stability and delivery. EffecTech supplies Primary Reference Gas Mixtures (PRGMs), Secondary Reference Gas Mixtures (SRGMs) and Calibrated Gas Mixtures (CGMs).

Standard delivery for ISO 17025 calibration gases to UK or ex works Worldwide:

- 2 – 4 weeks for emission gases
- 2 – 3 weeks for hydrocarbon calibration gases
- 4 – 5 weeks for trace sulphur mixtures

Gas mixtures which are not unconditionally stable will be issued with a shelf life. Clients receive reminders when mixtures approach the end of their shelf lives, to prevent out of date mixtures being used.

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