PRODUCT DATASHEET

Analyser Shelter

Walk-in shelters and cabinets for online analysers





DETAIL – CALIBRATION GAS CYLINDERS

OVERVIEW

The Tech Inc. Analyser Shelter is a walk-in shelter or cabinet that houses analysers, sample conditioning and calibration gases in a controlled, safe environment. Refineries, gas plants, pipeline operators and offshore facilities use it where analysers need protection from weather and hazardous atmospheres, and maintenance staff need a safe place to work.

MODELS AND CONFIGURATIONS

- **Walk-in shelter** – steel or GRP sandwich construction for several analysers and their sample systems.
- **Three-sided lean-to** – open-front shelter that protects analysers from sun and rain where full enclosure is not needed.
- **Analyser cabinet** – compact enclosure for a single analyser or a small group close to the sample point.
- **Containerised shelter** – built in a container frame for easy transport, lifting and placement on site.

TYPICAL DESIGN DATA

Hazardous-area classification	To site requirement, Zone 1 or Zone 2, or to client specification
Size	Typical 2.5 × 2.5 m to 12 × 3 m, or to client specification
Ambient design temperature	Up to +55 °C for Gulf sites, or to client specification
Construction	Steel or GRP sandwich panels, or to client specification
Gas detection	Flammable gas, H_2S and O_2 depletion, or to client specification
HVAC and power	Sized to the internal heat load, the site ambient and the analyser power demand, with UPS, or to client specification

APPLICATIONS

Refinery and gas-plant analyser houses, pipeline metering stations, offshore platforms, and LNG and petrochemical plants.

KEY ADVANTAGES

- **Fully integrated** – shelter, analysers, sample systems and utilities assembled and FAT-tested before shipment
- **One point of responsibility** – one supplier for the shelter, the analysers and the sample systems
- **Reduced site installation time** – the shelter arrives ready to connect to power, signals and sample lines
- **Safe working environment** – gas detection, HVAC and lighting for operators and maintenance staff
- **Built for hot climates** – ambient design up to +55 °C for Gulf sites

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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