

SF6 Analyser GCTU-CMH-PTY

Gas Collection and Transfer Unit with Chilled Mirror Hygrometer and SF6 Purity Analyzer

The Alpha Moisture Systems SF6 Analyser GCTU-CMH-PTY has been specifically developed to sample, analyse and collect SF6. The SF6 Analyser GCTU-CMH-PTY is also designed to recycle the entire SF6 sample back to the sample source, for example Gas Insulated Switchgear (GIS), giving a zero effect to the installation and protecting the environment by eliminating any discharge to atmosphere.

The common usage of SF6 in HV/MV, gas insulated switchgear, circuit breakers, and transformers has brought significant advantages in performance and reliability but, because SF6 is a “greenhouse gas”, special precautions must be adopted when routine sample analysis is undertaken.



FEATURES

- Unlimited Fill/Discharge Cycles.
- 12 bar (175 PSIG) maximum back fill pressure.
- User friendly operation with built-in fail safe features.
- Supplied ready for use with a high quality stainless steel braided PTFE sample hose.
- Extra strong IP66 (NEMA 4) rugged transportation case with retractable handle and tough in-line wheels.
- Integrated 2 stage Chilled Mirror Dewpoint Hygrometer with SF6 purity analyser.



Fully portable and aircraft friendly transport case

SPECIFICATIONS

Specifications Sampling System:

- Process pressure indicator.
- Sample flow indicator.
- Constant analysis pressure control.
- Large internal collection vessel.
- Automatic shut down when collection vessel full.

Transfer System:

- Simple operation without disconnecting sample line.
- High integrity discharge pump with output capability up to 12 barg.
- Automatic shut down when collection vessel evacuated.

Analysis:

Dewpoint

- Sensor type: 2 stage chilled mirror sensor.
- Measuring Range: -40 to +68°F (-40 to +20°C) Dewpoint.
- Accuracy: $\pm 0.2^{\circ}\text{C}$ Dewpoint.
- Display: 3½ digit LCD.

SF6 Purity

- Sensor Type: Katharometer
- Range: 0 - 100%
- Accuracy: $\pm 0.5\%$
- Display: 3½ digit LCD.

Power Supply:

- 100 - 120VAC or 200/240VAC. 50/60Hz.

Transportation Case:

- Waterproof IP66 rating.
- Hard wearing, non-slip grip carrying handles.
- Retractable pull along handle.
- Pressure vents for air transportation.

Dimensions:

- 24.6" x 19.7" x 11.6" (625 x 500 x 297mm).

Weight:

- 55lb (25kg).

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Product specification may be subject to change.