

Model GCTU-M (Mains/AC powered)

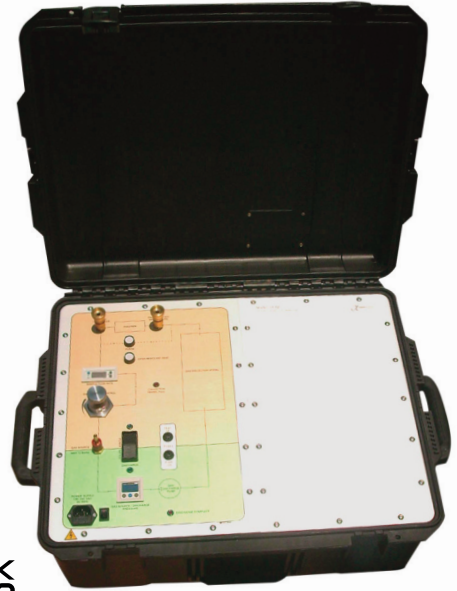
Gas Collection and Transfer Unit for SF₆ and other non-aggressive gases

The Alpha Moisture Systems GCTU-M has been specifically developed to collect all SF₆ sampled for analysis. The Model GCTU-M is also designed to recycle the entire SF₆ sample to the high or medium voltage switch(GIS)/transformer giving a zero effect to the installation and protecting the environment by eliminating any discharge to the atmosphere.

Completion of spot check analysis in under 10mins*

1. Connect & Set up
2. Collect SF₆
3. Take sample
4. Transfer back

The common usage of SF₆ in high and medium voltage switchgear 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 all connections and a high quality stainless steel braided hose.
- Extra strong IP67 (NEMA 4X 6) rugged transportation case with retractable handle and tough in-line wheels.
- Supplied ready for use with connectors and high quality pipes and hoses
- Can also be connected to purity analysers

The NEW GCTU-M can be utilized with any field analysis instruments. It is fully portable to the Mains (AC) power point and this provides a simple and effective method of achieving an environmentally friendly solution to SF₆ analysis and recycling.

Model GCTU-M is fully compatible with all Alpha Moisture Systems portable dewpoint hygrometers including Model SADPmini, Model SADPmini-Ex, SADPmini2, Model SADPmini2-Ex, Model SADPμ, Model P35, Model DSP-FCI, Model DSP-Ex.



Fully portable and aircraft friendly transport case

Specifications

Sampling System:

- Process pressure indicator.
- By-pass purge facility and large gas collection vessel.
- Sample flow regulator and valve (sample flow controllable between 0.1 and 5.0 l/min or 0.2 and 10 SCFH).
- QC4 female self sealing analyser connections.
- Approx 10 minutes individual test time (assuming a sample flow rate of 2 l/min or /4 SCFH)

Transfer System:

- Quality hard wearing discharge pump (Maximum discharge pressure 12 barg/175 PSIG).
- Large internal collection vessel of up to 20 litres.
- Easy and quick operation.

Power Supply:

- Mains (AC) 100 - 250V 50/60Hz

Transportation Case:

- Waterproof with full foam lid seal. IP67 rating.
- Fully integrated protection system.
- Manufactured from a unique patterned high performance resin.
- Hard wearing, comfortable and soft non-slip grip handles side and top.
- Retractable soft non-slip grip pull along handle and tough quality urethane wheels.
- Pressure vents for air transportation.

Dimensions:

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

Weight:

- 25kg (55lb).

Accessories Included

A) 1 x Mains/AC power lead GCTU

B) 1 x 3 meter high quality stainless steel braided PTFE lined inlet connection hose with quality female stainless quick connect fitting and 1/8" NPT connection fitting.

C) 2 x 2 meter high quality stainless steel braided PTFE lined inlet/outlet connection hoses with quality male brass quick connect fittings and 1/4" NPT connection fittings.

D) 2 x SADPmini / SADPmini2 stainless steel connection pipes with OCR fittings and male quick connect fittings.**

E) 1 x Comprehensive operating instruction manual with step-by-step guide.



How to Order

Order Part Number **GCTU-M**

Related Products

Model SADPmini2

Hand Held Dewpoint Hygrometer



Model GCTU-B

Battery/Cell Operated



* Assuming the use of Alpha Moisture Systems SADPmini2, and is ready to take measurements, the sample line connection is ready to connect and the GCTU plugged in.

** Supplied when ordering for use with Model SADPmini or SADPmini-Ex, or SADPmini2 and SADPmini2-Ex

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