

MTS-32™

Multi-tube sequential sampler

The MTS-32 is a compact, portable device that allows unattended pumped sampling of air onto a series of sorbent tubes.

Constant-flow sampling

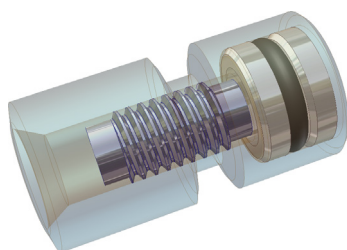
The MTS-32 draws air through a series of up to 32 industry-standard (3½" long × ¼" o.d.) sorbent tubes. To ensure that the same flow rate and volume of air is sampled onto each tube in the sequence, a constant-flow pump should be used. Markes recommends the ACTI-VOC™ pump for use with the MTS-32.

Sampling times can be varied from 1 minute to 99 hours, and flows can be adjusted from 5–100 mL/min. The values set apply to all tubes in the sequence.

Sample security

To avoid both diffusive ingress of atmospheric contaminants and loss of retained volatiles, the sampling tubes used on the MTS-32 incorporate Markes' patented diffusion-locking technology. This is achieved using either:

- **DiffLok™ caps** (right), which fit onto the sampling end of a standard sorbent tube.
- **SafeLok™ tubes**, which are permanently fitted with a diffusion-locking insert.



Product highlights

- Sequential sampling on up to 32 industry-standard tubes.
- Constant-flow pump ensures consistent sample volumes.
- Diffusion-locking technology ensures sample security.
- Ideal for field monitoring applications.
- Can be powered by a battery or by mains electricity.

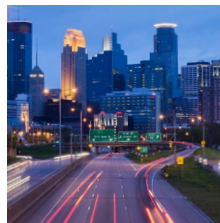
Wide analyte and concentration range

The MTS-32 is suitable for monitoring vapour concentrations from low ppt to high ppm, over a wide volatility range.



Please consult our tube brochure or catalogue for more information on our wide range of application-specific sorbent tubes.

Key applications



Monitoring diurnal pollutant fluctuations in ambient air



Continuous monitoring of industrial emissions

Versatile power options

Three options are available to supply the pump and sampler with power.

- A Internal 12 V battery:** For indoor and outdoor sampling, we offer a rechargeable battery, which allows operation for over 40 hours when fully charged.
- B External 12 V battery:** For outdoor sampling, we offer an adaptor to connect the MTS-32 to a 12 V lead-acid battery (which the user should supply).
- C Mains electricity:** For indoor sampling, we offer an adaptor to power the MTS-32 from a mains outlet.

Portable, reliable air monitoring

The MTS-32 has a compact, portable, showerproof case that is constructed of low-outgassing components to minimise the risk of tube contamination. A protective gauze across the fan inlet prevents particulates or wildlife from entering the MTS-32 and disrupting the air flow.

A fan efficiently exchanges the air within the MTS-32 case, which ensures representative sampling from the immediate environment, and allows transient pollutants to be quantitatively measured.



Markes International

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Order your MTS-32 today

Part numbers:

- ▶ Multiple-tube sampler MTS-32
- ▶ ACTI-VOC low-flow pump kit C-LFP-01
- ▶ Power options – please choose one of the following:
 - A** Internal battery & charger MTS-5009 & MTS-5010
 - B** Adaptor for external battery MTS-5013
 - C** Mains electricity adaptor MTS-5011

Don't forget to add DiffLok caps and a flowmeter to your order – please see our catalogue for details.

To order, please contact your regional distributor or one of our offices (details below).



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