



## Markes International Sorbent Tubes and Accessories

### Quality Assured!

Representative and quantitative sample collection is critical to any air monitoring or thermal desorption (TD) procedure.

Markes International offers the most comprehensive range of accessories to improve, simplify and automate sample collection in compliance with standard methods. This is backed up by unmatched technical expertise.

Whether your work involves air/gas monitoring, headspace vapors, materials emissions or direct desorption, ATS Scientific & Markes are on hand to help you make the correct sampling choice for your application.



### Thermal Desorption Sorbent Sample Tubes



Markes provide an unrivalled range of industry standard 3.5-inch (89 mm) long sorbent tubes. Pre-packed, packed-conditioned-capped and empty tubes are all available in a range of materials to suit any application (stainless steel, glass, SilcoSteel®).

Markes also supplies 4.5-inch (115 mm) long glass **DAAMS tubes**, pre-packed for monitoring chemical warfare agents.

Markes offer **unlimited versatility** and **unmatched expertise** regarding sorbent selection and are happy to advise which combination of up to four sorbents per tube will best suit your monitoring requirements.

### The extensive range of sorbent tubes and accessories includes:

- **Sorbent tubes:** Available in a range of materials to suit any application, standard 3.5-inch (89 mm) x 1/4" O.D. sorbent tubes may be supplied pre-packed, packed-conditioned-capped, or empty. Glass DAAMS tubes (4.5-inch (115 mm long) x 6 mm or 10 mm OD with 6 mm ends) are also supplied.



- **Sorbents:** Markes offer a wide range of sorbents commonly used for thermal desorption applications.
- **TubeTAG™:** Computerised RFID error-free tracking for TD sample tubes.
- **SafeLok™ tubes:** Diffusion-locking technology at either end of the tube protects trace-level samples from contamination at all stages of the monitoring process.
- **Certified Reference Standard (CRS) tubes:** Sorbent tubes pre-loaded with traceable masses of target compounds. Used for analytical quality assurance as recommended by key international standard methods.
- **Sorbent tube accessories:** Markes supplies an extensive range of specialist tools and tube accessories including long-term storage caps, diffusion caps, sorbent retaining gauzes, gauze retaining springs, pen-clips and CapLok tools.
- **Diffusive sampling:** Samplers are available for both traditional axial diffusive sampling and fast, radial diffusive sampling.



To learn more, contact ATS