

## TD Mini-tubes

Markes' 60 mm TD Mini-tubes are ideal for use with thermal desorption instruments such as Gerstel's TDU and TDU2.

### Instrument compatibility

Markes' glass TD Mini-tubes have dimensions of 60 mm × 6 mm, which makes them compatible with thermal desorption instruments such as Gerstel's TDU and TDU2.

### Product options

TD Mini-tubes from Markes are available:

- In packs of five.
- Packed with Tenax® TA or Tenax® GR, or empty (if you prefer to pack them yourself).
- Fitted with long-term storage brass caps, or uncapped.

We also offer a tube unpacking and repacking service for TD Mini-tubes. Contact us for more details.



### Easy sample tracking

Each tube is permanently labelled with a unique ID number in barcode and numerical format, making it easy to keep track of samples and tube stock.

A sampling arrow is also printed on each tube, providing a visual indicator of the correct flow of sample gas.

### Quality assurance

Like our industry-standard 3½" sorbent tubes, our TD Mini-tubes are manufactured under stringent quality control.

Our 20 years of experience in manufacturing and packing tubes for TD applications means that you can be confident of optimum performance for your TD Mini-tubes.

## Compatible Markes products

As well as being designed for use with the Gerstel TDU and TDU2 thermal desorbers, TD Mini-tubes are compatible with the following instruments and accessories from Markes:

- Micro-Chamber/Thermal Extractor™
- TC-20™ multi-tube conditioner
- ACTI-VOC™ low-flow pump kit
- ACTI-VOC PLUS™ fast-flow pump kit
- Calibration Solution Loading Rig™
- Easy-VOC™ grab-sampler

For compatibility with TD Mini-tubes, these products need to be used with O-rings (part no. U-COV45), which are supplied with the product.

If you already have industry-standard long-term brass storage caps, you can modify them for use with TD Mini-tubes by changing the ferrule (part no. C-FP200-XZ).

## Ordering information

Type	Part number	Full description
Tenax TA 35/60	C1-TXX-5386	TD Mini-tubes, 60 mm × 6 mm, Tenax TA 35/60, without caps, pk 5
	C1-TGX-5386	TD Mini-tubes, 60 mm × 6 mm, Tenax TA 35/60, with caps, pk 5
	C1-QXX-5386	TD Mini-tubes, 60 mm × 6 mm, Tenax TA 35/60, repacking service, pk 5
Tenax GR	C1-TXX-5402	TD Mini-tubes, 60 mm × 6 mm, Tenax GR, without caps, pk 5
	C1-TGX-5402	TD Mini-tubes, 60 mm × 6 mm, Tenax GR, with caps, pk 5
	C1-QXX-5402	TD Mini-tubes, 60 mm × 6 mm, Tenax GR, repacking service, pk 5
Empty	C0-TXX-0000	TD Mini-tubes, 60 mm × 6 mm, empty, pk 5

## Relative dimensions



**TD Mini-tube:** 60 mm (2.36") × 6 mm (0.24") o.d.  
with 4 mm (0.16") i.d.

**Glass industry-standard tube:** 89 mm (3½") × 6.4 mm (¼") o.d.  
with 5 mm (0.20") i.d.



Analys & Mätteknik

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**Order your  
TD Mini-tubes today**

Please contact your regional distributor or one of our offices (details below).

