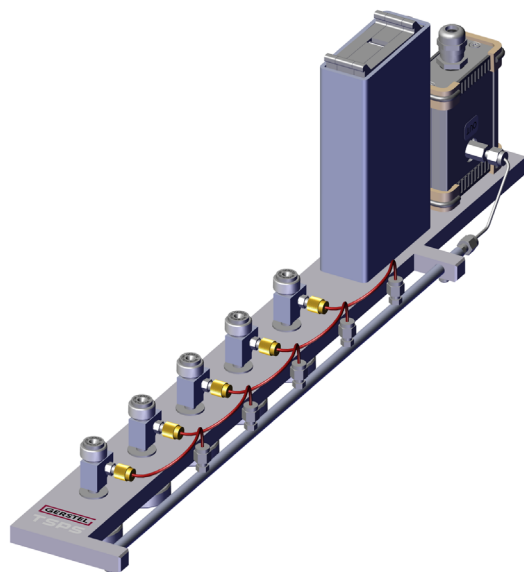



**GERSTEL**


## Tube Spiking System

**TSS**

### Specifications

#### Uses

The automated Tube Spiking System is an option for the GERSTEL MultiPurpose Sampler MPS. It is used to generate standards for Thermal Desorption analysis methods, enabling method calibration and validation. Liquid standards can be added automatically to Thermal Desorption tubes using the MPS and the solvent can be automatically purged.

#### System Configuration

- automated operation based on the GERSTEL MultiPurpose Sampler MPS
- optional valve for carrier gas control
- applicable with microlitre syringe for autosampler with needle outside diameter 0.63 mm (23 gauge)

#### Capacity

- up to 5 thermal desorption tubes

#### Tube Types

- TDS tubes, 178 × 6 mm (L × OD)
- TDU tubes, 60 × 6 mm (L × OD)
- TD 3.5+ tubes, 89 × 6.4 mm (L × OD)

#### Loading Standards onto the Tube

- automated injection with MPS liquid syringe through a Septum Less Head (SLH)
- automated purge of the solvent using inert carrier gas

#### Gas Connection

- 1/16" Swagelok®

#### Carrier Gas Flow

- 30 mL/min per tube with 2 bar head pressure (He)

#### Control

- controlled from the GERSTEL MAESTRO software
- reproducible injection speed and injection volume
- easy setup of reusable injection methods

#### Operating Conditions

- 15 ... 35 °C
- relative humidity max. 50-60%, non-condensing
- max. 4615 m above sea level

#### Storage Conditions

- -20 ... 50 °C
- relative humidity max. 50-60%, non-condensing
- max. 4615 m above sea level

#### Dimensions (L × D × H)

- 46 × 6.5 × 15 cm

#### Weight

- 1.3 kg

Custom solutions for special performance requirements available upon request.

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