



# Mercury Calibration Unit CalSet

AMBIENT

for manually calibrating the  
UT-3000 Mercury Ultratracer



## Manual Calibration

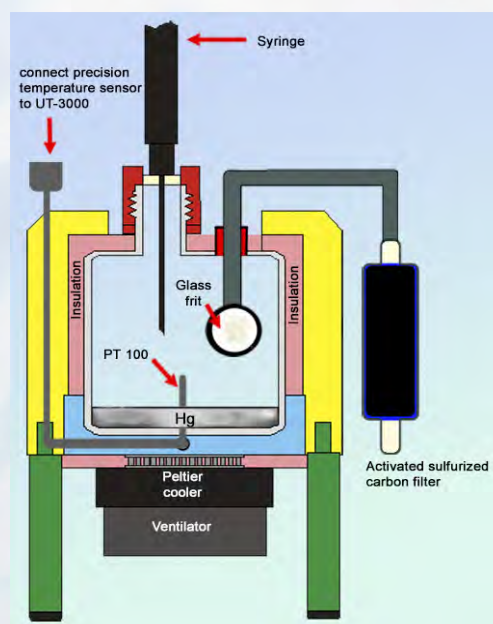
The calibration unit is connected to the UT-3000 Ultratracer. With a special syringe a defined volume of mercury containing gas is drawn from the calibrator and injected into the calibration port of the UT-3000. After entering the volume of the injected gas, the UT-3000 will automatically calculate the mercury mass from the volume injected and the calibration cell temperature.

## Operating Principle

The Manual Calibration Unit by ENVEA GmbH consists of a specially designed mercury vessel containing elemental mercury of high purity, surrounded by an aluminium jacket cooled by a thermoelectric cooler.

The temperature of the mercury vessel is exactly measured with a high precision sensor (Pt 100). The electronic temperature sensor has to be connected to the UT-3000 ULTRATRACER using the cable delivered with the system.

The temperature of the calibration gas and the concentration of mercury are displayed on the UT-3000 screen before a calibration is performed.



## Technical Specifications CalSet

Purity of contained Hg	99.999999%
Accuracy of T-Sensor	0.01 °C
Power supply	230 VAC / 50 Hz 110 VAC / 60 Hz
Power consumption	30 VA
Dimensions	35 x 20 x 25 cm (W x H x D)
Weight	ca. 4.5 kg



As a leading supplier of high precision analytical equipment, we strive at all times to offer top quality solutions. Our products are manufactured according to the ISO 9001 quality regulations.

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