

Manual Calibration Unit CalSet

CALIBRATORS



APPLICATION

The static calibration unit is meant for manually calibrating the UT-3000 Mercury Ultratracer.

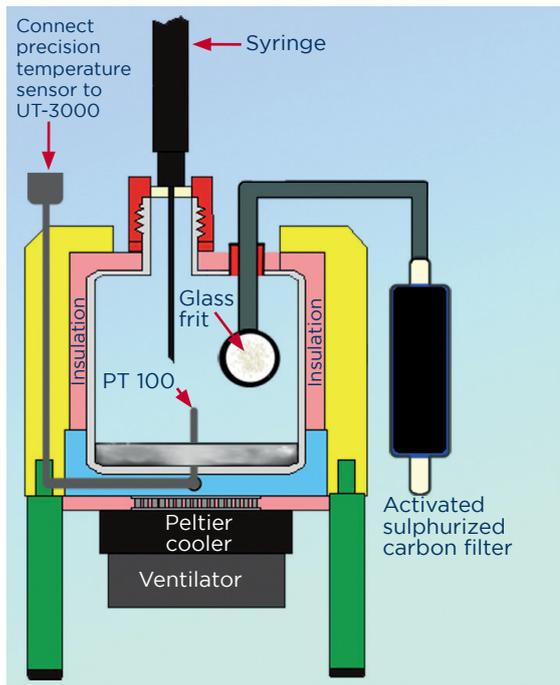


MANUAL CALIBRATION

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 CalSet 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

Purity of contained Hg:	99,999999%
Accuracy of T-sensor	0.01 °C
Power supply:	• 230 V AC / 50Hz; • 110 V AC / 60 Hz
Power consumption:	30 VA
Dimensions (W x H x D):	35 x 20 x 25 cm
Weight:	approx. 4.7 kg

Product developed and manufactured in Germany by:

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