




MERCURY INSTRUMENTS
Analytical Technologies
Member of the envea™ Group



Automatic Calibration Unit

for calibrating the
UT-3000 Mercury Ultratracer

AUTOMATIC CALIBRATION UNIT
MERCURY INSTRUMENTS UT-3000

MERCURY INSTRUMENTS 

Application

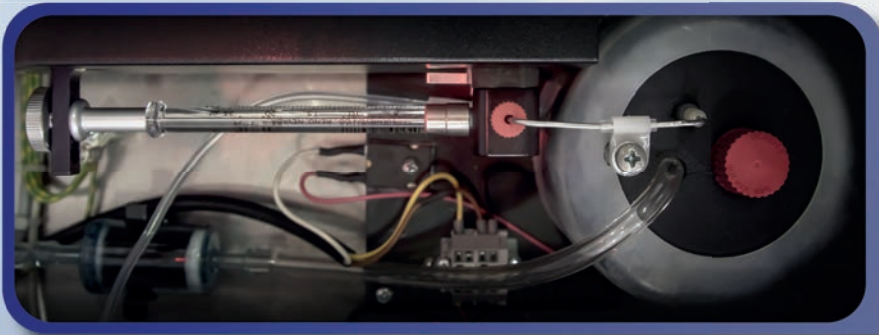
The static **Mercury Instruments Automatic Calibration Unit** is used for calibrating the **UT-3000 Mercury Ultratracer** in natural gas monitoring systems of low to intermediate mercury concentrations.

Operating Principle

The **Mercury Instruments Automatic Calibration Unit** consists of a specially designed mercury vessel containing elemental mercury of high purity, surrounded by an aluminium jacket cooled by a thermoelectric cooler. For automatic calibration a motor driven syringe extracts a defined volume of mercury saturated gas and feeds it to the **UT-3000 Ultratracer**.

The UT's microprocessor calculates the mercury concentration from temperature and volume of the calibration gas.

The temperature sensor within the mercury vessel has an accuracy of 0.01 °C.



Technical Specifications MC-3000

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	250 VA
Dimensions	45 x 15 x 35 cm (W x H x D)
Weight	approx. 6 kg

ISO
9001

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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