




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

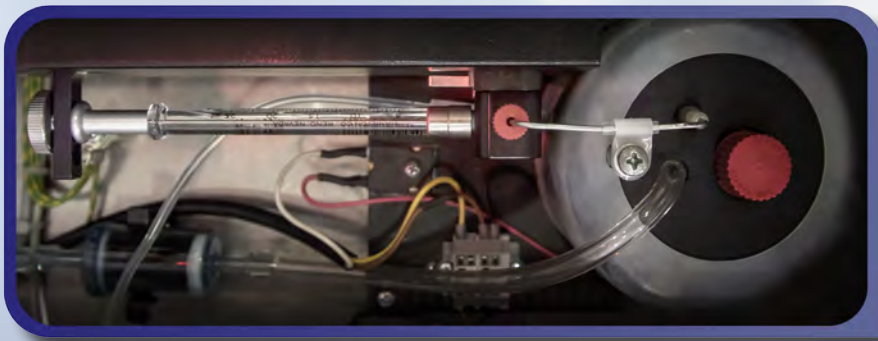
The static **Mercury Instruments Automatic Calibration Unit** is used for calibrating the **UT-3000 Mercury Ultratracer** in natural gas monitoring systems of low to intermediate mercury concentrations.

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



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.

Mercury Instruments GmbH
Analytical Technologies
Liebigstrasse 5
85757 Karlsfeld / Germany
mail.mi@envea.global
Tel.: +49(0)8131 - 50 57 20
Fax.: +49(0)8131 - 50 57 22

www.mercury-instruments.de

