

Automatic Calibration Unit AutoCal

CALIBRATORS



APPLICATION

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

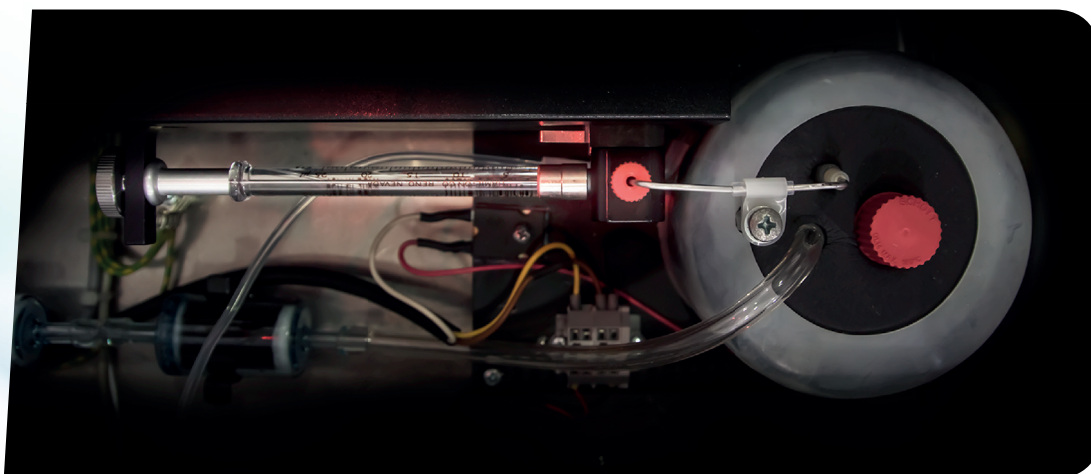


OPERATING PRINCIPLE

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 within the mercury vessel is measured by a high precision electronic sensor (PT 100).





TECHNICAL SPECIFICATIONS

Purity of contained Hg:	99,999999%
Accuracy of T-sensor	0.01 °C
Power supply:	110 - 230 VAC/50 - 60 Hz;
Power consumption:	250 VA
Dimensions (W x H x D):	45 x 15 x 35 cm
Weight:	approx. 6 kg

Product developed and manufactured in Germany by:

*Mercury Instruments GmbH
Analytical Technologies
Liebigstr. 5
D-85757 Karlsfeld, Germany*

*+ 49 (0)8131 505720
✉ mail.mi.envea.global*

(part of the ENVEA Group)

