3000 XS

MERCURY **TRACKER**

envea
Elevating standards. For life.

Portable mercury monitoring is made easy with the Mercury Tracker 3000 XS. It is perfect for screening of mercury concentration in ambient air and detecting mercury spills

FEATURES AND BENEFITS

- Real time measurement
- High precision measuring principle: atomic absorption spectrometry (AAS)
- Data logger integrated, with built-in 4 GB SD card
- Shock proof and corrosion resistant for rugged field operation
- 5.7” TFT graphic display with LED backlight
- Waterproof keypad and cable connectors
- Additional quick swap battery pack (optional)
- Minimal cross-interference
- Built-in GPS for increase in positioning accuracy and improved reception



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TECHNICAL **SPECIFICATIONS**

Measuring principle	UV absorption (CVAAS), wavelength = 253.7 nm
UV source	Electrodeless low-pressure mercury lamp (EDL)
Stabilization method	Reference beam method
Optical cell	Fused silica (Suprasil) l = 170 mm
Measuring ranges	• 0.1 - 100 µg/m³ (0.01-10 ppb) • 0 - 1000 µg/m³ (0-1000 ppb) • 0 - 2000 µg/m³ (0-2000 ppb)
Sensitivity	0.1 µg/m³ (0.01 ppb)
Response time	~ 1 second, real time measurement
Alarm	Exceedance of concentration, 3 levels programmable
Status alarms	• measuring cell soiled • battery state • UV lamp exhausted
Control pad	Waterproof membrane keypad
Measurement display	5.7 inch TFT graphical color display, with LED backlight, (brightness and energy saving switch-off delay adjustable)
Signal outputs	115/230 VAC, 50/60 Hz, 700 VA
Data storage	Built-in data logger, internal 4 GB SD card, automatic time and date stamp, GPS stamp if activated
Software for data transfer	Mercury Instruments "Hg-Transfer“ included on delivery, export of data: EXCEL® and ASCII format
GPS	Built-in receiver for US-GPS, Galileo, GLONASS and others for increase in positioning accuracy and improved reception
Internal power supply	Rechargeable 12 V batteries with min. capacity of 7 hours and minimized self-discharge, quick swap battery packs as an option
External power supply:	• 110 - 230 VAC/50 - 60 Hz; with mains adapter • external 12 V DC sources, (cigarette lighter adapter optional)
Dimensions (W x D x H):	29 x 14 x 17 cm
Weight	approx. 2.6 kg (incl. battery pack)

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3000 XS Datasheet
3000 XS Mercury Tracker - Specifications subject to change without notice.

OHSAS 18001:2007
ISO 14001:2015
ISO 9001:2015
CERTIFICATION