
# Dioxin Sampling System

METLAB

EMISSION MONITORING SYSTEMS

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CE

# Advanced Sampling System for PCDD/PCDF and Organic Micropollutants

The METLAB Dioxin Sampling System is designed for the efficient collection of dioxins (PCDD/PCDF) and other organic micropollutants in compliance with European Standard EN 1948. Engineered for use in harsh industrial environments, this high-performance system ensures reliable and precise sampling even under demanding conditions, making it an essential tool for environmental monitoring and regulatory compliance testing.

## System overview

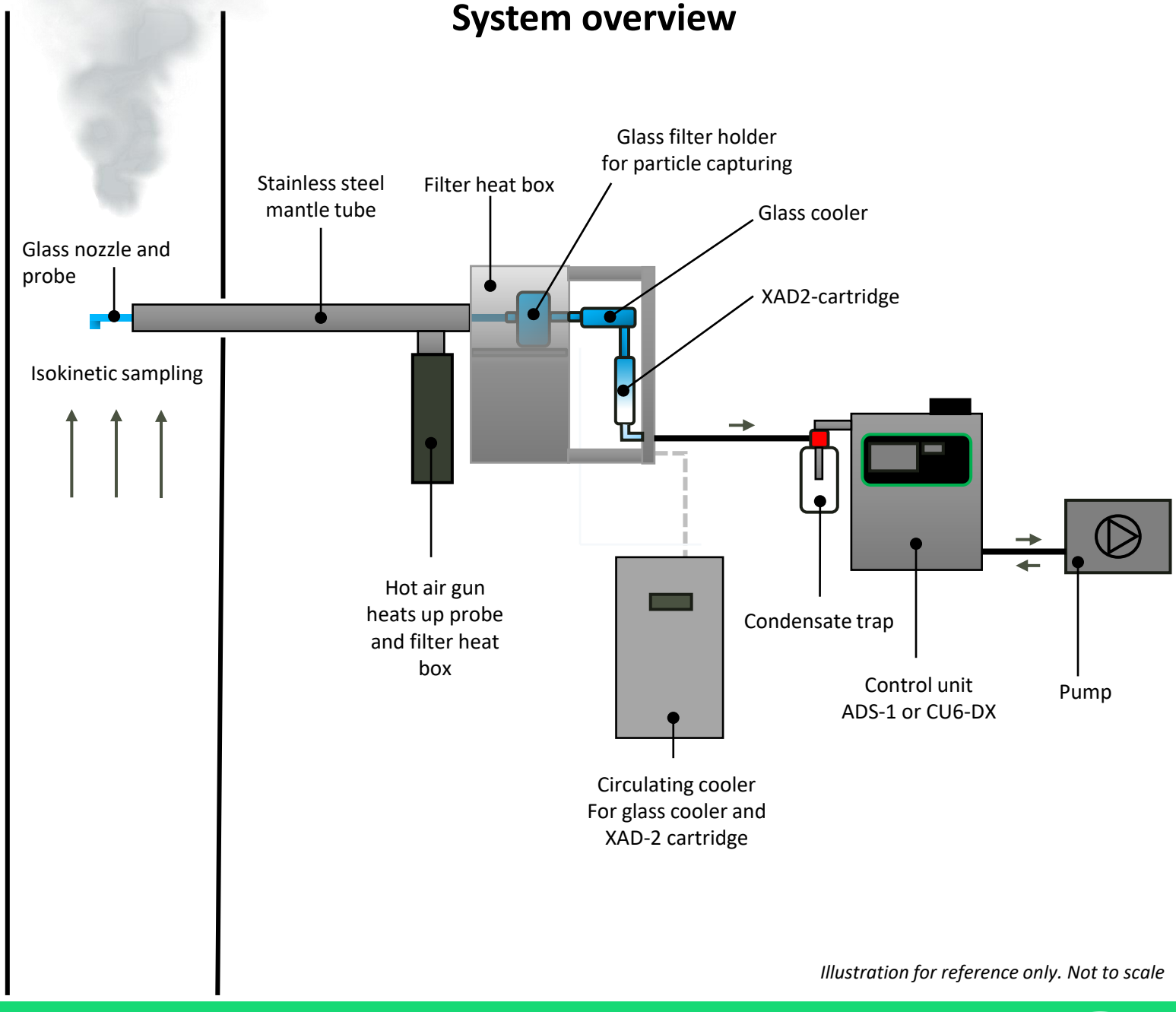


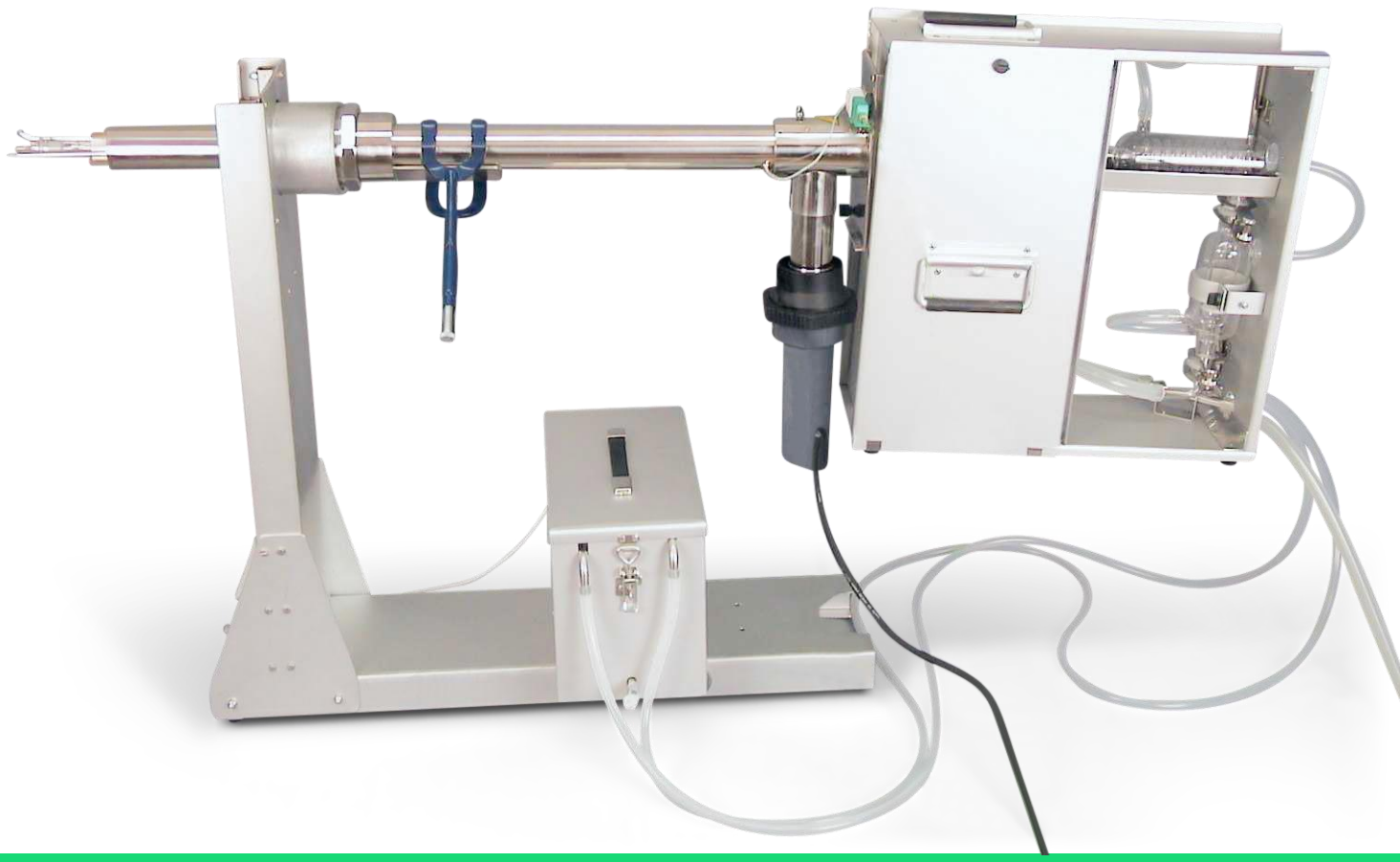

*Illustration for reference only. Not to scale*

# The EVA Light probe with dioxin sampling cabinet

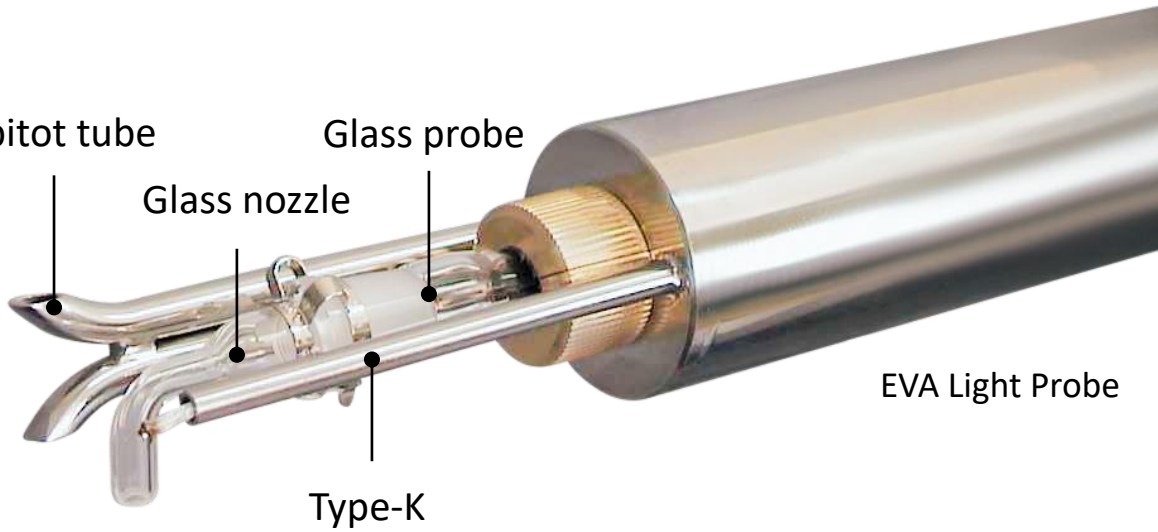
The EVA Light Probe with Dioxin Sampling Cabinet offers a compact, efficient solution for sampling dioxins and other organic micropollutants. Designed for industrial environments and EN 1948 compliance, it combines precise flow control, high-capacity filtration, and integrated condensate management for reliable, hassle-free operation.

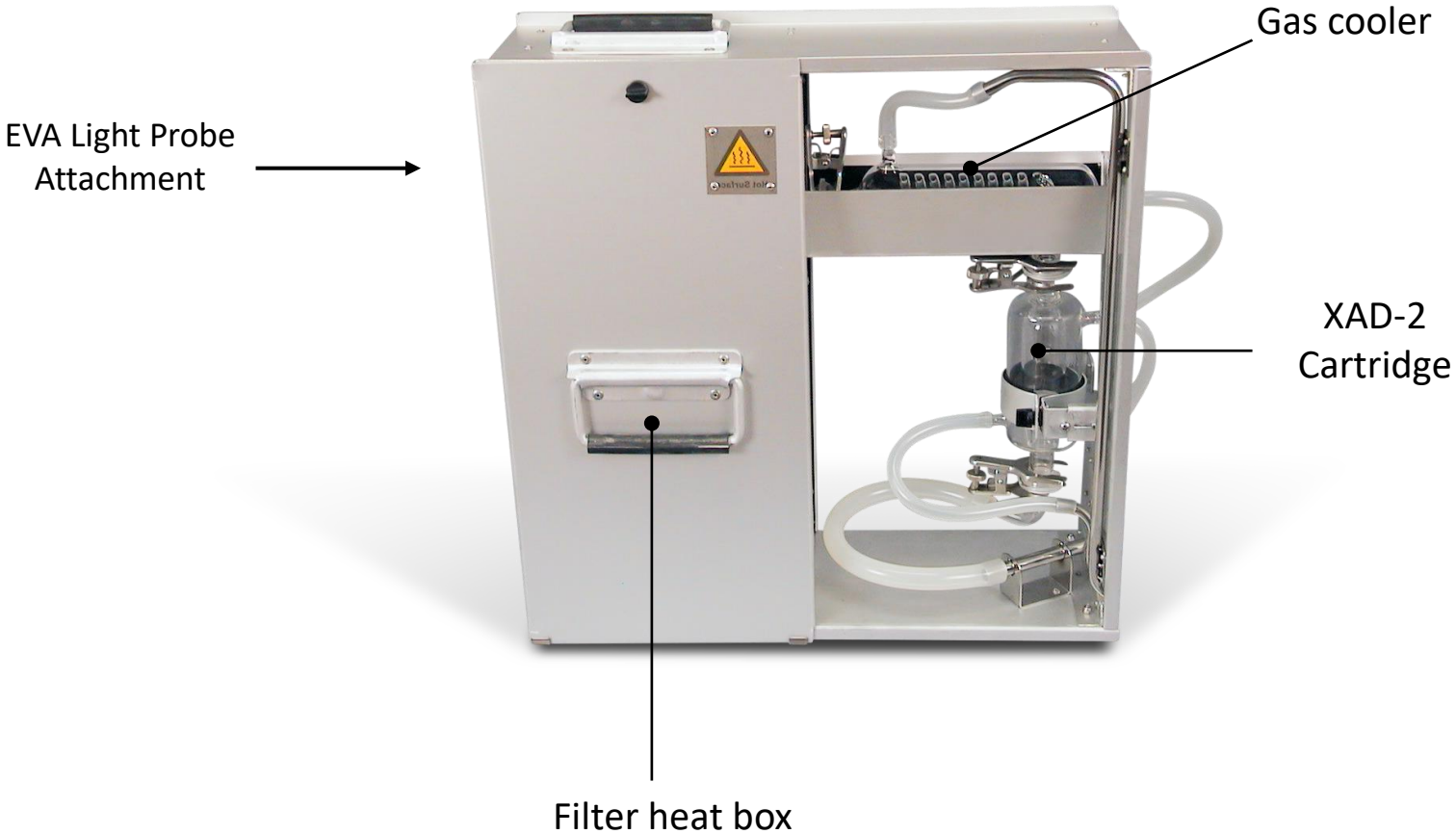
**Key Features:**

- Sampling Flow Rate: Up to 20 LPM
- Optional integrated S-pitot tube for real-time isokinetic control
- High-Capacity Filtration: Supports one 120 mm or 47 mm plane filter for particle collection.
- Optimized XAD-2 Cartridge: Positioned after the cooler, ensuring efficient adsorption of organic micro-pollutants
- Integrated Condensate Management: Condensate passes through the XAD-2 cartridge along with the sample gas, eliminating the need for separate handling and analysis.
- Compatible with control units ADS-1-DX and CU6-DX for a complete sampling setup



# EVA Light Probe and dioxin sampling cabinet - overview



# Control Unit – ADS-1-DX or CU6-DX

## EVA Light System – Compatible Control Units

The EVA Light System is designed for flexibility and precision, offering compatibility with two alternative METLAB control units, ADS-1-DX and CU6-DX. These units regulate the sampling flow while measuring temperature, pressure, and sampling volume, ensuring accurate and efficient operation. Both models feature integrated condensate traps and a silica gel compartment, enabling high-precision gravimetric moisture determination.

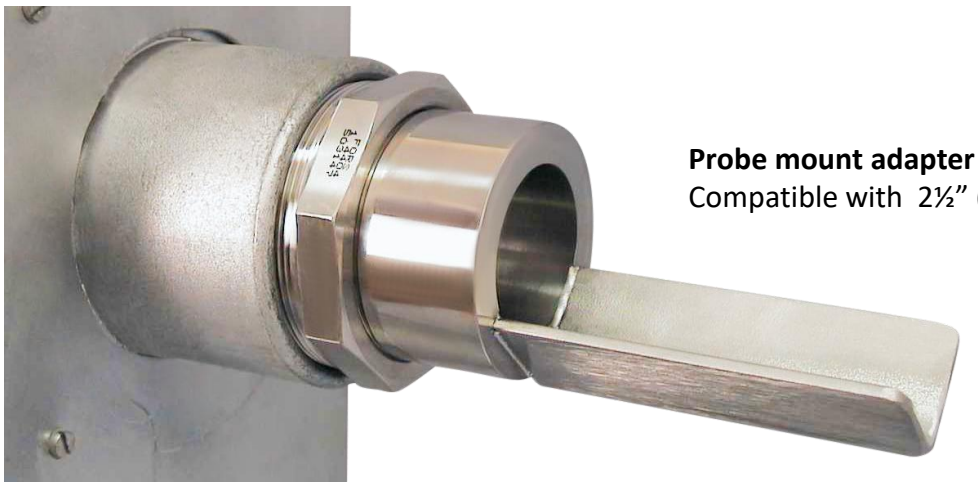
### ADS-1-DX

- Flow range 0-20lpm
- Fully Automated Isokinetic Flow Control
- Continuous velocity monitoring at the sampling point.
- Data logging of all parameters
- Large 7” LCD Display
- Fast Data Transfer using USB port for quick export of measurement data.
- High-Precision Gravimetric Moisture Determination
- External pump unit required

### CU6-DX

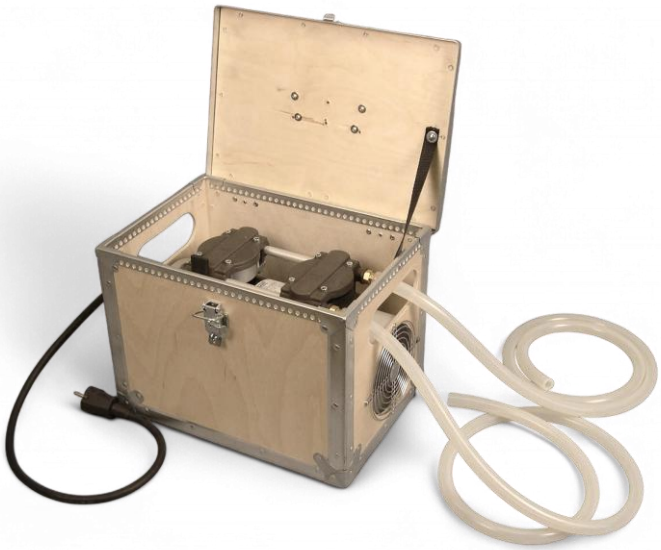
- Flow range 0-20lpm
- Reliable in extreme conditions
- Rugged and portable design
- Manual isokinetic control
- Manual reading of gauges
- High-Precision Gravimetric Moisture Determination
- External pump unit required

# Essential sampling accessories



**Probe mount adapter**
Compatible with 2½” (DN65) and 3” (DN80)

**Heavy-duty transport case**
- For glass parts
- IP67
- Custom designs available



**External pump in transport case**
- Capacity up to 50 lpm
- compatible with ADS-1-DX and CU6-DX

**Silicone tubing**
Used for:
- Sample gas
- Cooling liquid

**Twin hose**
- For EVA Light S-pitot tube
- EPDM rubber

**Thermocouple wire type-K**
For temperature monitoring of
- Stack temperature
- Filter holder temperature
- XAD-2 temperature

# For more information

**Please contact info@metlab.se**

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