

MONITORING FÜR LEBEN UND UMWELT

The Austrian company MLU delivers and services instruments and systems for measuring ambient air quality. MLU with its branches and partners in various Central and East European countries is specialized in continuous monitoring of ambient air immissions and emissions.

MLU is one of the most experienced solutions providers for particulate matter (PM) monitoring all over Europe and represents the broadest range of PM monitoring equipment.

Real Time Particulate Matter Monitor

SHARP



Quick and reliable, the SHARP PM monitor with TUEV approval according to the European Norms for PM10 and PM2.5 monitoring.

The proven SHARP combines nephelometry and beta attenuation sensing technologies for fast, accurate readings that are highly time resolved, thus providing a continuous measurement of PM10 and PM2.5 particles.

The SHARP has successfully passed the suitability test regarding the measurement equivalent to EN12341 (PM10) and EN14907 (PM2.5). According to the corresponding test reports the SHARP monitor reaches these results even without utilizing a site specific calibration factor.

Features

- True continuous mass calibrated instrument for accurate PM measurements with high time resolution
- IMR (Intelligent Moisture Reduction) eliminates moisture interference while preserving volatile aerosols
- No measurable beta radiation: C14 activity below admissible limit; free handling
- Dynamic digital filtering for continuous calibration update
- Superior accuracy for consistent correlation with U.S. Federal Reference Methods

The model 5030 SHARP monitor is a synchronized hybrid ambient real-time particulate monitor. The SHARP monitor utilizes proprietary digital filtering to continuously mass calibrate the nephelometric measurement of PM10 and PM2.5. The result is an accurate, precise, and real-time continuous particulate monitor with unprecedented time resolution and detection limit.

The intelligent moisture control system (IMR) regulates humidity levels using a heating system that is linked to a relative humidity sensor located just upstream of the sample providing a representative measurement of the relative humidity at the particulate measurement head.

The result is a system that heats only when necessary, eliminates moisture effects, and assures that the volatile aerosol remains intact for accurate measurement.

Installation and setup of the SHARP is extremely simple without the need for complex components that require excessive time and effort. Easy to navigate menus allow users to glide through parameter setup allowing the instrument to run almost effortlessly. Routine maintenance is necessary only once per year making the SHARP the lowest maintenance continuous monitor in the market today.

airpointer®



The airpointer® is the world's first "out-of-the-box plug and play" compact multi-gas air quality monitoring system. Measure anywhere you want, and measure a wide variety of pollutants with up to seven ambient air analyzers measuring CO, NOX, O3, SO2, H2S, VOC and PM10/PM2.5.

For more info please visit our new web site at <http://www.mlu.eu>

or contact us on:

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