



Detectable Gases

- Isocyanate Compounds
- MDI
- TDI

Kit Includes

- Sampling unit (Pump) with belt clip
- Battery Charger
- Sampling holder with five feet of sampling tubing
- Flow test kit
- 20 Test Strips (Isocyanates)
- Concentration calculator
- Manual
- Carrying Case

NOTE: Because of the ease of use, the reliability, and the direct reading capabilities of the IsoSense Sampling Unit for MDI, it is often asked if this instrument can be used to measure the airborne levels of polymeric MDI (PMDI). We recommend that the MDI IsoSense Sampling Unit should only be used as a rough indication of the PMDI airborne concentration. The monitor should not be used when it is necessary to accurately quantitate the airborne concentration of PMDI materials. PMDI's are mixtures that vary in composition between manufacturers and product grades. In order to have an accurate concentration calibration of a monitor for a PMDI, the monitor would have to be calibrated on the specific material and grade that is used in the intended workplace.

The IsoSense is a portable and economical sampling device ideal for measuring vapor and aerosol levels of isocyanate compounds (MDI and TDI) down to 1 ppb. Specially designed for personal exposure evaluations, area surveys and emergency response.

Samples are taken by placing a pretreated test strip in a specially designed test strip holder. New, start the state of the art pump which is preset for analysis time and flow. Once the sampling is complete, remove the test strip and compare the color change with the calibrated comparator color wheel to determine the exposure concentration.

The IsoSense sampling unit has a digital display which displays battery life, flow rate and sample time. This smart sampling unit will constantly check for restricted air flow, blocked airflow or over flow while automatically adjusting and maintaining the preset value.

The IsoSense Sampling Kit includes an IsoSense pump unit, sample head, concentration calculator, flow test kit, 20 test strips, battery charger, manual and carrying case.

Specifications

Test Cards / Test Strips

Shelf-Life	Typically Six Months
Detection Principle	Colorimetric
Analysis Method	Visual, with Dose Estimator
Lower Detection Limit	1ppb
Accuracy	+/- 25%
Temperature Range	10° To 40° C
Humidity	20% To 85% Relative Humidity

IsoSense Sampling Unit

Test Card Holder	Blue anodized metal with 5 ft. Tygon tubing and stainless steel Clip. FEP Teflon sampling inlet
Operating Time	Approximately eight hours per full charge
Battery	Rechargeable NIMH Battery
Sampling Pump	Quick start preset analysis time (5m) Preset automatically adjusted flow Sample time remaining and battery life indicator Flow interrupted fault