



DOD Technologies, Inc.
Innovative Life Safety Systems & Services



IsoSense Sampling Unit

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.

Simple samples are taken by first placing a pretreated test strip in a specially designed test strip holder. Next, 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.

Detectable

Gases

Isocyanate Compounds

-MDI

-TDI



The IsoSense sampling unit has a digital display which displays battery life, flow rate and sample time. This smart sampling unit will constantly checking 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.



Distributed by: Air-Met Scientific Pty Ltd
Air-Met Sales/Service P: 1800 000 744
F: 1800 000 774 E: sales@airmet.com.au
Air-Met Rental P: 1300 137 067
E: hire@airmet.com.au W: www.airmet.com.au

Adelaide | Brisbane | Gladstone | Mackay | Melbourne | Perth | Sydney

Innovative Life Safety Systems & Services



DOD Technologies, Inc.

Innovative Life Safety Systems & Services



Specifications

Test Cards / Test Strips

Shelf-life	Typically six months.
Detection Principle:	Colorimetric
Analysis Method:	Visual, with Dose Estimator
Lower Detection Limit:	1 PPB
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) Pre-set automatically adjusted flow Sample time remaining and battery life indicator Flow interrupted fault



IsoSense Sampling 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.

We stress that this recommendation is not based on the ability of the monitors to detect PMDI materials but is based on the ability of the monitors to correlate a specific amount of stain to an airborne concentration of the PMDI material.