



NextStep® - Isocyanates and Semiconductor Gas Monitor

Based on Scott's popular Autostep Plus gas detection instrument, but incorporates a number of more advanced features that set it apart from other gas detection systems. In particular, the instrument features a multi-function display with membrane-style switches that allow all user functions to be accessed from outside the instrument without additional, expensive hardware or software.

Calibration Made Easy

In-field calibration is made possible through the use of a single, colour-based calibration card that ensures consistent performance within specific parameters and eliminates the need for annual factory testing. Scott has eliminated the need to use potentially toxic gases when calibrating the instrument by providing pre-calibrated cassettes, which simplifies the inventory, service, and maintenance process. The cassettes are designed and produced by chemists to be gas specific to eliminate false positives from interfering gases.

NextStep® Assurance

Automated and self-calibrating features make it one of the most reliable, fool proof, user-friendly gas detectors on the market. Industries producing isocyanates commonly used to produce the polyurethane polymers for both flexible and rigid foams, fibers, coatings and elastomers will find the NextStep® a welcome addition to their overall safety program.

Specifications

Size:	9.62"x 8.55"x 3.85"
Weight:	4.75 lbs
Construction:	Injection-molded in high-impact, ABS plastic
Input/ Outputs:	Battery charge; analog output 0-1 volt TTL serial data port (unbuffered); alarm relay output x 1; solid state NC relay contact
Audible Alarm:	Internally mounted buzzer = 80 dB at 5 feet
Display:	High visibility LED 4 digit display. Characters 0.35" high
Detection Principle:	Colourmetric paper tape and reflected light level measurement
Accuracy:	Gas and model dependent: +/- 15% of reading or +/- 1PPb/.01 PPM whichever is greater
Battery Capacity:	Rechargeable lead acid cells (approximately 16 hours continuous use)
Line Operation:	Instrument may be run continuously from line voltage via the appropriate charging unit or interface unit
Environmental:	<i>Operating:</i> -10° to 40° Celsius, typical 30 to 95% RH (non-condensing)

NextStep® Simply Does It All

A versatile instrument that can be configured to detect a variety of gases, eliminating the need to purchase different instruments to sample different gases. Changing the instrument from detecting one gas to another requires a simple change in cassettes. Once the proper cassette is inserted, the instrument will prompt the user to adjust the proper flow rate on an easy-to-read, backlit display panel.

Factory preset default settings and user security codes prevent unauthorized personnel from changing the instrument's characteristics or functions. This safety feature also helps avoid field-sampling errors by requiring the user to reset the instrument for each session. The cassette's clear body allows the user to easily determine the amount of tape remaining in the instrument before entering a potentially hazardous environment.

ITEM#	Description
GD-096-3084	NextStep kit. Includes: case, cal stick, flow test kit, download cable, charger. Calibrated for TDI, MDI, Phosgene (cassette ordered separately) (additional curves available at additional cost – please call for details)
GD-096-3121	NextStep kit. Includes: case, cal stick, flow test kit, download cable, charger. Calibrated for Cl ₂ / HCl/ Phosgene/ Arsine (cassette ordered separately) (additional curves available at additional cost – please call for details)

ITEM#	NextStep® GMD Gas Sensor Ordering Information		
Gas	Range	Flow/ Rate	
GD-096-2951-6	Arsine (Sensitive to Phosphine and Diborane)	0-1000 PPB	150 ml/ min
GD-096-2951-1	HDI	0-250 PPB	200 ml/ min
GD-096-2951-1	MDI	0-200 PPB	200 ml/ min
GD-096-2951-1	TDI	0-200 PPB	200 ml/ min



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