ALCOSENSOR VXL
Especificaciones

Approvals	NHTSA	Listed on the Conforming Products List for Evidential Breath Measurement Devices.
Analytical System	Electrochemical Sensor (Fuel Cell)	Select sensor, manufactured to Intoximeters exacting specifications for accuracy, repeatability and long life.
Measurement Range	0.000 to 0.440 g/210L	The off the shelf instrument is designed to offer a range of results that our customers commonly encounter when performing breath alcohol testing. Custom ranges, and results reported in most units of measure are available upon request.
Accuracy and Precision	Highly accurate and precise evidential grade results	Intoximeters fuel cell based instruments set the industry standard for accuracy and precision. These precise and linear devices offer consistent output that results in evidentiary grade analysis.
Sensor Selectivity	Highly specific for alcohol	Fuel Cell sensors are sought after for their specificity to alcohol.
Sampling Method	Flow, Volume, Breath Drop	Instruments running the standard software require a consistent flow, a minimum volume and then a drop in flow before sampling a deep lung breath. Alternate sample capture algorithms are available in customized programs.
Testing Environment	Instrument Temperature	The temperature of the instrument must be at, or between, 0 and 50 degrees C.
	Ambient Temperature	As long as the instrument is at temperature, the instrument can be used at, or between, ambient temperatures of -20 to 70 degrees C.
	Humidity	10% to 100% relative humidity (The instrument is not designed to be used under water.)
	Ambient Pressure	600 mbar to 1400 mbar; 450 mmHg [0 °C] to 1050 in mmHg [0 °C]
Mouthpiece	Style	Split Chamber with Air Flow Diversion
	Installation	Lever and set in the lighted mouthpiece guide
Data Input	Keyboard	The instrument supports a full serial keyboard with 16 programmable function keys
	On board scroll buttons	The AS V instrument supports alpha-numeric data entry and drop down list item selection with two scroll buttons and a data entry button on the instrument
Visual Output	Display	Multi-color backlit graphic LCD
	LED	Side viewable LED indicates blow condition and warnings
Audio Output	Beeper	Audible tone to support displayed messaging system

Data Output		
	Printer	Serial printer (thermal or impact options)
	Serial	With optional serial docking station adapter, the AS V can download stored test data serially and, with proper software, can communicate via serial modem or through a serial Ethernet adapter
Data Storage		
	Number of Tests	More than 7,000 test memory for a basic test record
Power Options		
	(AS V) Disposable Battery	4 x 1.5V AA alkaline batteries
	(AS V) Rechargeable Battery	4 x AA NiMH rechargeable cells
	Printer Battery	Depending upon selected printer, a rechargeable NiMH or Li-Ion battery (comes with charger)
	Printer 12V Power Source	Optional 12V cigarette adapter to charge printer
	Keyboard Power	2 x AAA batteries
Case Construction		
	AS V case ABS	Rugged casing with rubber over-molding protects instrument and internal components
	Plastic Carrying Case	The Alco-Sensor V POA system is offered with a black Pelican 1470 waterproof hard carrying case
	Nylon Carrying Case	Optionally, the instrument can be purchased in a light weight blue nylon carrying case which allows storage of additional dry gas calibration equipment
Size, Shape and Weight		
	Dimensions	
	Weight	
Measurement Types		
	Automatic Direct Breath	Auto sampling of subjects' deep lung breath samples
	Manual Direct Breath	Manual sampling option for subjects who cannot meet the minimum flow and volume requirements of the instrument.
	Passive Testing	Manual or automatic sampling capabilities for passive alcohol detection
	Headspace Sampling	Capable of measuring the headspace over a liquid to determine if alcohol might be present in the solution
Security		
	Password	Configurable software allows password protection as an option
Options		
	Magnetic Card Reader	Extech thermal printers are available with a three track magnetic card reader
	2D Barcode	With an Extech S2100T thermal printer, the 2D barcode option is available
	Barometer	Optional onboard barometer simplifies the use of dry gas standards
	Bluetooth	An optional Bluetooth module offers wireless communications to printers and computers
	Software	Both AS V Accelerator download software and IntoxNet interface
	Ethernet	Serial to Ethernet adapters offer internet connectivity. Optionally, the AS V offers software that transmits encrypted data and thus provides security when sending test records over the public internet.