

LEAK DETECTION

INDUSTRY LEADING SENSITIVITY



Revolutionary E_MOS[®] Technology developed by CPS is more sensitive, stable and accurate than any other detection method on the market.

*U.S. Patent # 8,555,701

- Microprocessor controlled sensor improves sensitivity and reduces false alarms
- Detects refrigerants including those with hydrocarbon components (CFC, CH2F2, HCFC, HFC, HFO, NH3, HC. Hydrogen trace gas in 95% N2, 5% H2 mixture A2L refrigerants)
- Visual tachometer-like bar graph display with 8 high intensity LEDs
- Optimal leak-finding performance under a broad range of conditions
- Meets or exceeds all U.S. and international standards for automotive and commercial use
- Ergonomic, high-impact housing

LEAK SEEKER[®] I

Progressive Alarm Mode:

Alarm pitch and number of lighted LEDs progressively increase as the leak source is approached. Allows searching for a broad range of leak sizes.

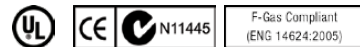
Threshold Alarm Mode:

Provides a quick go, no/go verifying a leak has been found and approximate size.

LEAK SEEKER[®] II

Simply Turn It On And Pinpoint The Leak.

- Simple, intuitive bar graph LED display
- 56 levels of sensitivity automatically selected by proprietary Powershift™ software with 2 user selectable alarm ranges
- The world's only leak detector with fully automatic sensitivity selection and control



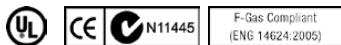
REPLACEMENT PARTS

EMOS2		E_MOS Technology Sensor
LS2XF		E_MOS Technology Sensor Filters (T0-Pk)
LS2XVF		Vapor Filter Sensing Tip
LSXC3		Molded Carrying Case

Item	LS1 Leak-Seeker [®] I	LS2 Leak-Seeker [®] II
Sensitivity	Better than 0.1 oz (3g) / year	
Sensitivity Selection	Manual	Fully automatic
Operating Temperature	0 to 140°F (-18 to 60°C)	
Auto-Off	Yes, after 10 minutes of inactivity	
Power (Battery Life)	3 "C" batteries (>50 hr continuous use)	
Low Battery Indication	Green (middle) LED turns off when batteries at 10% capacity	Rightmost (No Battery) LED stays on when batteries at 10% capacity
Sensor Life	>500 hr continuous use	
Weight	18 oz (500g)	
Warranty	1 year	2 years

LEAK-SEEKER® ELECTRONIC REFRIGERANT LEAK DETECTORS WITH ION-PUMP® SENSOR TECHNOLOGY

Combines microcomputer circuitry with field-proven Ion-Pump® sensor technology creating a highly sensitive and accurate electronic refrigerant leak detector. 128 computer-generated tones and display alerts the user to varying halogen concentrations. Leak-Seekers are designed and manufactured in the USA with U.S. and globally sourced components.



REPLACEMENT PARTS FOR LS780A* LS780B* LS780C LS790A* LS790B LS3000* LS3000B*

LSXSF 	Selective Filter Housing
LSXBMK 	Maintenance Kit: (1) LSXS + (1) LSXSF (replaces LSXMK)
LSXS 	Ion-Pump Sensor
LSXBC 	Battery Compartment Cover (Yellow)
LSXC 	Fabric Carrying Case
LSXE 	Earphone

* Discontinued model

Item	Tech-Set™ LS780C	Leak-Seeker® LS790B
Detector Type	Proprietary Ion-Pump sensor with built-in selective filter housing	
Sensitivity	Better than 0.25 oz (7g) / year leak rate of HFC	
Sensitivity Selection	Manual	
Refrigerant Sensitivity	All, including those with hydrocarbon components (CFC, HCFC, HFC, HFO, NH3, HC)	
Visual Alarm	High intensity LED (Varies in brightness)	High intensity bar graph display
Flex Probe	18" long metal flex probe	
Operating Temperature	0 to 140°F (-18 to 60°C)	
Controls	OFF, LO & HI sensitivity modes	6 button keypad
Power (Battery Life)	(4) AA alkaline batteries (>40 hr continuous use)	
Weight	18 oz (500g)	
Audible Alarms	128 computer generated tones to precisely guide user to the source of the leak	
Lock-Out Mode	N/A	Yes
Low Battery Indication	Center LED above "★" lights during operation	
Auto-Off	No	Yes, after 15 minutes of inactivity
Sensor Life	Replace seasonally	
Warranty	1 year	2 years

GS40 GAS-SEEKER® PORTABLE COMBUSTIBLE GAS DETECTOR






The **GS40** is a low maintenance, easy-to-use portable combustible gas leak detector engineered to pinpoint leaks in residential, commercial and industrial appliances. Advanced semiconductor sensor and electronic control package enables detection of gases commonly found in service applications including; carbon monoxide, natural gas, propane, ammonia, methane, acetone, hydrogen and iso-butane, with a virtually instantaneous alarm response period. Applications include the inspection of furnaces, valves, regulators, pipelines, meters and other devices associated with combustible gases. The **GS40** is designed and manufactured in USA with U.S. and globally sourced components.

GS40 Specifications

Detecting Range	0 - 100% LEL referenced to methane.
Alarm Indication	Both visual and audible (>40db) alarm indicators
Low Level Alarm	Preset at 10% Methane LEL
High Level Alarm	Preset at 30% Methane LEL
Operating Conditions	0°F to 140°F (-20°C to +40°C) at less than 98% RH (non-condensing)
Power	3VDC working voltage using four 1.5V AA batteries
Battery Life/Indicator	20 hr continuous use. Orange LED constant on when low battery
Sampling	Natural diffusion
Dimensions	7.2" x 0.71" (183 x 18 mm)
Weight	18 oz (500g) including battery

REPLACEMENT PARTS

RMX12 	Replacement Sensor
LSXC 	Fabric Carrying Case
LSXE 	Earphone

For more information visit www.cpsproducts.com

RM SERIES REFRIGERANT MONITORS

Compact, highly reliable, yet economical refrigerant leak monitoring system designed to monitor a single refrigerant in a single zone. Provides early audible and visual warning of refrigerant leakage with adjustable sensitivity settings between 100 to 1000 PPM with an auxiliary 1/2 HP N.O. and N.C. dry contact control function for operating an additional alarm or other safety device. Replacement sensors are interchangeable enabling the replacement of a failed sensor directly in the field without recalibration, minimizing downtime.



RM
Refrigerant Monitor
Control Box and
Sensor Housing



RM SERIES Specifications	
Sensitivity	100 to 1,000 ppm
Accuracy	±3% of setting (or ± 25 ppm)
Visual Alarms	High intensity LED display
Audible Alarm	85 dB @ 12"
Operating Temperature (Control Module & Sensor)	14 to 150°F (-10 to 65°C)
Relative Humidity Range (Control Model & Sensor)	10 to 95% (Non-condensing)
Power	12 to 24V AC or DC
Sensor Failure Indicator	Visual indication in control module
Weight	18 oz (500 g)
Warranty	1 year

Refrigerant Monitor	Detects Refrigerant	Replacement Sensor
RM134	R-134	RMX12
RM22	R-22	RMX11
RM404	R-404	RMX12
RM407	R-407	RMX11
RM407a	R-407A	RMX12
RM410	R-410A	RMX12
RM502	R-502	RMX12
RM507	R-507A	RMX12

UV55 TECH-SET™ DYE BASED REFRIGERANT LEAK DETECTION KIT

Refrigerant leaks are the number one cause of poor A/C cooling. Having the correct amount of refrigerant in an A/C system is critical to achieve proper cooling. Any loss of refrigerant will reduce a system's ability to transfer heat, causing the compressor to work harder and the system to cool less efficiently. Therefore, finding and fixing refrigerant leaks is more important than ever before.

The Tech-Set™ **UV55** Leak Detection Kit enables you to conduct a fast, easy, mess-free air conditioning "leakdown" test whereby an orange, universal dye is injected into a closed (sealed) A/C system under full pressure. The orange dye will be visible under a "correctly tuned" ultraviolet light at the point of a leak anywhere in the system. Included in this detection kit are the following:

- MoonLight™ flashlight with 9 true ultraviolet LEDs
- Operates 8 hr (continuous on)
- Instant "ON" with no heat produced
- Compact, durable, anodized aluminum flashlight body
- Works with all common dye additives
- 3 AAA batteries
- MoonShine™ blue light-blocking glasses
- Mess-free and easy-to-use Squeeze Gun™ injector
- **UVS2** universal (orange) OEM approved dye cartridge
- R-34a 90° low side snap coupler
- Molded carrying case with internal padding
- Operating instructions



UVPRO KIT INCLUDES BOTH MOONLIGHT™ FLASHLIGHT AND MOONSHINE™ GLASSES

Our MoonLight flashlight is the most compact and efficient ultraviolet light we have ever designed. It contains nine high intensity, true ultraviolet LEDs engineered to maximize the fluorescing capabilities of today’s most commonly used detection dyes in AC systems, while reducing the amount of “nuisance” background blue light emitted.

MoonLight components are housed in a rugged, anodized aluminum body with an o-ring sealed battery compartment that will stand up to harsh field conditions.

- MoonLight flashlight with 9, true ultraviolet emitting LEDs
- Operates 8 hr (continuous on)
- Inspection range up to 3’ (0.9 m)
- 100,000 hour LED life
- Instant “ON” with no heat produced
- Compact, durable, anodized, lightweight aluminum flashlight body
- Works with all common dye additives
- 3 AAA batteries

MOONSHINE™ BLUE-LIGHT BLOCKING GLASSES (included with UVPRO kit)

MoonShine glasses, when used in conjunction with the MoonLight flashlight, block the remaining amount of visible blue light, which provides an ideal means of viewing a fluorescing dye that might leak from a closed, pressurized AC system, indicating where a repair is needed.



UVPRO

ACCESSORIES FOR UV LEAK DETECTION

UVXG	UV Enhancing Safety Glasses
UVS5	Squeeze-Injector Universal Automotive Dye-Cartridges (4 Pk), (1 cartridge = 5 Applications)
UVAL	50W 90° Auto Swivel Light w/ Battery Clips
UVMINI	Clip-on UV light
UVXB	12V Rechargeable Battery Pack for 50W or 100W Light
UVXBC	Battery Carrying Case
UVXBLB	UV Bulb for 50W Light
UVXC	110V Battery Charger



UVUD5 MOONSHINE™ UNIVERSAL REFRIGERANT DYE

- 1 oz (30 ml)
- Works with alkyl benzene, PAG, ester and mineral oil
- Lowest cost per application



UVUD6 MOONSHINE™ UNIVERSAL REFRIGERANT DYE

- 8 oz (237 ml)
- Works with alkyl benzene, PAG, ester and mineral oil
- Lowest cost per application
- Excellent for large systems











UVCLNR MOONSHINE™ DYE CLEANER

- 32 oz (946 ml)

MOONSHINE™ PREFILLED/ DISPOSABLE REFRIGERANT DYE CAPSULES AND CARTRIDGES

- Universal OEM approved dye formula
- Cleanest, easiest and fastest method of injection
- 4 sizes to match capacity of system
- Eliminate air entering system
- Eliminates over-injection of dye
- All dyes include I.D. labels
- All MoonShine dye meets SAE J2297 standard

AC System Size	For Refrigerant Charge Size	Refrigerant Oil	MoonShine™ Capsule (Qty. 6)	MoonShine™ Squeeze Cartridges (Qty. 6)
SMALL Ice machines, window AC units, autos, refrigerators	Up to 2.9 lb (1.3 kg)	Up to 15 oz (.44 L)	 UV101	 UVS101 (Gold)
MEDIUM Residential systems	3 to 4.9 lb (1.4 to 2.2 kg)	16 oz to 1.6 qt. (.45 to 1.8 L)	 UV1	 UVS1 (Purple)
MEDIUM-LARGE Light commercial and large residential systems	5 to 9.9 lb (2.3 to 4.5 kg)	1.7qt. to 3.2 qt. (1.9 to 3.7 L)	 UV2	 UVS2 (Orange)
LARGE Commercial and light industrial, including all split systems	10 to 25 lb (4.6 to 11.4 kg)	3.3 qt. to 2 gal. (3.8 to 9.1 L)	 UV3	 UVS3 (Green)

SQUEEZE GUN UNIVERSAL DYE INJECTORS

The squeeze gun injection system is the easiest, cleanest and fastest method of injecting dye into a system. Simply match the appropriate pre-filled, pre-measured universal dye cartridge with the size of the system being serviced place it into the squeeze injector system, make your connection and inject the dye. It's that simple.



UVNJS SQUEEZE GUN DYE INJECTOR

- Refillable and expandable universal dye injector (dye cartridges sold separately)
- 1/4" F BV Hose
- 1/2 oz. capacity

UVXSGA Adapter Hose



UVNJ SQUEEZE GUN DYE INJECTOR

- Refillable and expandable universal dye injector (dye cartridges sold separately)
- In-Line AC&R 1/4"
- 1/4 to 1/2oz. - 7.5 to 14ml



TLJ2 SQUEEZE GUN DYE INJECTOR

- Refillable and expandable universal dye injector (dye cartridges sold separately)
- 1/4 oz. / 7.5 ml to 2 oz. / 60 ml capacity
- R-12 1/4" SAE Oil Dye Injector

TLJX2H Replacement Oil Injector Hose



Step 1: Load cartridge.



Step 2: Connect and bleed hose.



Step 3: Inject, then discard empty cartridge.