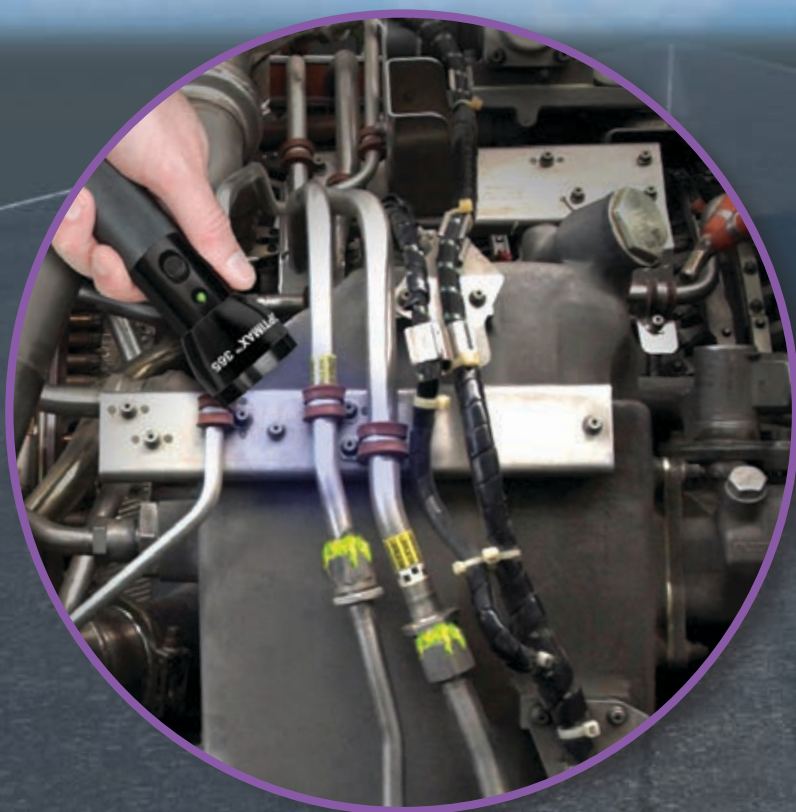


# **SPECTROLINE<sup>®</sup>**

## **Fluorescent Leak Detection and **DIAGNOSTIC TOOLS** for Aviation Fluid Systems**



### **Applications**

- Aircraft Fuel Systems
- Hydraulic Systems
- Pneumatic Systems
- Vacuum Systems
- Reciprocating Engine Lubrication Systems
- Turbine Engines
- And Much More!

**SPECTRONICS  
CORPORATION**

ISO 9001:2008 CERTIFIED COMPANY

***The World Leader in Leak Detection Since 1955***





## Fluorescent Leak Detection

### How it works

Just add a small amount of fluorescent dye to the system and let it circulate. The dye/fluid mixture escapes with the host fluid wherever there is a leak and glows brightly when inspected with a SpectrolinE® high-intensity UV inspection lamp.



### Myths

- Hydraulic systems are supposed to leak
- Dyes cost too much
- Hard to implement in fluid systems



### Benefits

- Fast, easy and accurate
- Finds all leaks —the first time, every time
- Economical
- Reduces labor costs
- Perfect for preventive maintenance
- Environmentally friendly
- Safe
- Improves working conditions
- Decreases equipment downtime
- Increases efficiency of flight operation

## LEAK DETECTION DYES

### AD-8609

**Aero-Brite™ Universal Fluorescent Leak Detection Dye**  
*Locates all leaks in petroleum- and synthetic-based aviation fluid systems!*

Checks an entire system in just minutes!  
Ideal for use as part of a diagnostic/preventive maintenance program for commercial and military aircraft fuel and fluid systems!  
Meets Mil Spec MIL-PRF-81298E, Type III, Yellow/Green Fluorescent for aircraft fuel systems.



- **FAST** — The quickest way to inspect for leaks in aircraft fuel, lubrication and hydraulic systems.
- **SAFE** — Specially formulated to accommodate the host fluid. Will not damage the fluid properties or any of the system components.
- **VERSATILE** — Allows inspection of the entire system under virtually all operating conditions. Ideal for both in-flight and static testing.
- **COST EFFECTIVE** — Super-concentrated. Use less per dose!
- **FLUORESCES BRILLIANTLY** — Leaks glow a bright **green** under UV light.

Available in 8 oz (237 ml), 16 oz (473 ml) and 32 oz (946 ml) bottles, and 1 gallon (3.8 L) containers. (Part Nos. AD-8609-0008, AD-8609-0016, AD-8609-0032 and AD-8609-0100, respectively.)

Also available: SP-8609-0100 fluorescent leak detection dye for aircraft fuel systems (NSN: 6820-01-386-8609). Can also be used to locate hydraulic and engine oil leaks. Supplied in 1 gallon (3.8 L) container.

### SUGGESTED DILUTION RATIOS

Host Fluid	Dye Amount
Jet Fuel (static)	2.0 oz (59 ml) dye per 100 gals (379 L)
Jet Fuel (in-flight)	1.6 oz (47 ml) dye per 100 gals (379 L)
Hydraulic Fluid	0.25 oz (7.4 ml) dye per 4 gals (15.1 L)
Engine Oil	0.25 oz (7.4 ml) dye per 1 gal (3.8 L)

### COMPLETE LEAK DETECTION KIT

### ALK-365

#### Aviation Leak Detection Kit

*The most complete kit for finding leaks in aircraft fluid systems. Works with all petroleum- and synthetic-based lubricants and fluids!*

Prevents expensive equipment breakdown and potential safety hazards. Ideal for pinpointing leaks in fuel, lubrication and hydraulic systems.

#### Includes:

- OPTIMAX™ 365 super-high intensity, cordless, rechargeable UV LED leak detection flashlight
- 8 oz (237 ml) bottle of Aero-Brite™ universal fluorescent dye for aircraft fluid systems
- 8 oz (237 ml) spray bottle of GLO-AWAY™ dye cleaner
- Smart AC and DC chargers. AC charger available in 120V, 230V, 240V or 100V versions.
- UV-absorbing glasses, holster and soft carrying case



# LEAK DETECTION LAMP KITS

## CORDLESS UV LED FLASHLIGHTS

### OLX-365

#### OPTI-LUX™ 365 UV LED Flashlight!

##### *Super-compact and rugged!!*

Works with all fluorescent dyes! Leaks glow brilliantly!

- More than twice as powerful as most corded, high-intensity UV lamps
- Inspection range of up to 25 feet (7.6 m)
- Works with all fluorescent dyes.
- Convenient on/off switch for easy, one-handed operation
- 100,000-hour LED service life
- Instant-on operation; lamp reaches full power immediately!
- Anodized aluminum lamp body minimizes corrosion and stands up to years of heavy use
- Powered by one rechargeable lithium-ion battery. Comes with a spare battery. Each provides 4 hours of continuous inspection time between charges.
- Comes complete with lanyard, belt holster, smart charging cradle with AC and DC cord sets, UV-absorbing spectacles and a padded carrying case. AC charger available in 120V, 230V, 240V and 100V versions.



### OPX-365

#### OPTIMAX™ 365 UV LED Flashlight (Patent Pending)

##### *Features state-of-the-art, ultra-hi-flux LED technology!*

Makes even dirty oil leaks glow brightly!

- Four times brighter than other high-intensity UV lamps
- Inspection range of up to 25 feet (7.6 m)
- Instant-on operation allows lamp to reach full intensity immediately.
- Electronic Intensity Stabilizer assures consistent performance. Maintains super-high UV intensity between charges.
- Powered by a rechargeable NiMH battery (included). Provides 90 minutes of continuous inspection between charges.
- 100,000-hour LED life
- Includes smart AC and DC chargers, UV-absorbing glasses, belt holster and padded carrying case. AC charger available in 120V, 230V, 240V or 100V versions.



## HIGH-POWERED, CORDED UV LAMPS

### MAXIMA™ Aviation Leak Detection Kits

#### *Feature state-of-the-art Micro Discharge Light (MDL) technology!*

Ultra-high UV intensity delivers unprecedented power—up to 10 times the UV-A output of conventional High Intensity Discharge (HID) lamps!

- Instant-on operation allows lamp to reach full intensity immediately. Eliminates warm-up time.
- Works even in direct sunlight
- Inspection range of up to 30 feet (9.1 m) or more

*For maximum convenience, a portable, battery-operated "MA" version is also available.*

MLK-35A lamp kit includes 8 oz (237 ml) bottle of Aero-Brite™ dye (AD-8609-0008), UV-absorbing glasses (UVS-30), fluorescence-enhancing glasses (UVS-40), extra large carrying case (CC-350) and 8 oz (237 ml) spray bottle of GLO-AWAY™ dye cleaner (CR-800). MLK-35MA lamp kit also includes BP-12A 12-volt rechargeable battery pack, as well as AC and 12V DC cord sets. AC charger available in 120V, 230V, 240V or 100V versions.



MLK-35A standard version



MLK-35MA battery-operated version

## WE DETECT MORE THAN JUST AIRCRAFT LEAKS!

*As the world leader in fluorescent leak detection, Spectronics Corporation also offers super-bright, super-concentrated dyes for finding leaks in:*

- Ground support vehicles (engine oil, coolant, automatic transmission fluid, power steering fluid, gasoline/diesel fuels and hydraulics)
- Air conditioning and refrigeration systems
- Fluid systems in buildings and facilities
- Industrial and hydraulic systems

Contact our Customer Service Department at  
800-274-8888 (U.S. and Canada) or 516-333-4840  
for more information about our full line of products and  
a dealer near you, or visit: [www.spectroline.com](http://www.spectroline.com)





# SPECIALIZED DIAGNOSTIC TOOLS

## ULTRASONIC DIAGNOSTIC TOOL

### MDE-2000 Marksman™ II

Features advanced heterodyne circuitry and “Sound Signature Technology” to covert and amplify inaudible ultrasonic sounds into audible “natural” sounds. Provides quick diagnosis and detection of problems before they become major breakdowns!

- Convenient, easy-to-use, touch-control sensitivity pad and power switch
- 5-LED signal-intensity indicator and audible alarm easily pinpoints the exact problem source
- Internal Noise Control (INC) ensures tool is unaffected by ambient noise. Ideal for use in extremely noisy environments.
- Self-adjusting Automatic Gain Control (AGC) circuitry enhances sensitivity and simplifies operation
- Precision-engineered hollow air probe helps isolate leak sources in cramp areas
- Solid contact probe quickly finds wear or damage to internal components – *without disassembly!*
- Unique ultrasonic emitter helps locate faulty seals, gaskets and weatherstripping in doors, windows, ductwork and other non-pressurized enclosures
- Comes complete full size headphones and rugged carrying case

#### ALSO AVAILABLE:

**MD-600**-Same as MDE-2000, but without ultrasonic emitter

**MDE-2000NC**-Same as MDE-2000, but with HP-100 noise-canceling headphones

**MD-600NC**-Same as MDE-2000NC, but without ultrasonic emitter

## MULTI-PURPOSE BORESCOPIES

### CB-1000 COBRA™ (Patented)

Features built-in UV LED for detecting fluid leaks and surface flaws plus a white light LED for component inspection!

- Advanced 7400 pixel imaging bundle and adjustable-focus eyepiece allow crystal-clear viewing
- “No-droop” shaft maintains position for easier access into hard-to-view areas
- Strong impact- and water-resistant nylon housing stands up to daily abuse
- Pistol grip handle provides steady, comfortable viewing
- Clip-on mirror permits viewing at an angle to detect “hidden” leaks and flaws
- Comes equipped with 10 mm, 24 inch (61 cm) shaft
- Includes fluorescence-enhancing glasses and padded carrying case

### CB-600 COBRA-6™

Features detachable Dual-Max™ dual-head flashlight with super-bright blue and white light LEDs. Ideal for both leak detection and internal component inspection. Designed for specialized applications that require extended reach or viewing into deep recesses; slides easily into inaccessible areas!

- Durable, thin, water- and abrasive-resistant 6 mm, 38 inch (96.5 cm) shaft
- Advanced, 7400 pixel imaging bundle provides unsurpassed resolution and clarity
- Versatile, press-fit coupler design allows quick changing of light sources
- Clip-on, angled mirror helps pinpoint leaks and flaws normally hidden from view
- Includes fluorescent-enhancing glasses and padded carrying case

To learn more about our wide range of leak detection and diagnostic tools, visit

[www.spectroline.com](http://www.spectroline.com)