



Smart Smoke™ First 100% Portable DIAGNOSTIC SMOKE® Machine Ever

Smart Smoke EVAP Machine

EELD500



Features and Benefits

- **Portability** – Take it under and around vehicle with optional 14.4 & 18v Lithium & Nicad Battery and operate using cordless remote control or connect to vehicle 12v battery
- **Necessity** – 8 of the top 10 Emission DTC codes can be diagnosed with Smart Smoke™ technology
- **Computerized digital readout** displays leak sizes down to 0.001" – LPM and Pressure/vacuum in H2O
- **Smart** – Self calibrates for .010, .020, .040 and automatically performs EVAP pass/fail test.
- **Product Support** – 3 year warranty, instructional video SS3229 and once registered technical support at 800-901-1988
- Patents 6,526,808 6,439,031 6,392,227
- Patents Pending



See page 2, 3 and 4 for more Features and Benefits, Individual Components, Applications and Application Shots, Optional Accessories with Images, Specifications and Warnings

CE – DE, ES, FR, IT, GB, NL

Country of Origin – Assembled in USA of Global Components





EELD500

More Features and Benefits

- One touch EVAP testing with **automatic pass or fail**
- **Low flow mode** makes it easier to find leaks
- **Vacuum port adaptor** to diagnose Chrysler ESIM & NVLD systems
- **Find Leaks** – The evaporative emissions diagnostic smoke machine delivers EVAP testing and general purpose applications.
- Conveniently functions with **OEM specified nitrogen**, portable CO2 bottle or shop air
- **Patented UltraTraceUV®** dye solution pinpoints leaks
- **OEM approved** smoke technology
- Smoke solution is safe and does **not produce unpleasant odor** in the shop
- Unit ships with enough smoke solution to **perform 250 tests** – EELD500-1*
- **3 button control** - Display select, Orifice select and Start
- **Combo LED and UV light** in one and remote control are included
- **Convenient hanger** for under car and under hood use
- **Lightweight and compact** stores in large bottom roll cab drawer or hang with optional cover to protect from shop dirt and dust

*Customer please fill canister prior to first use.

Applications

- Air cleaner assembly
- Air ducts
- Air valves
- Cylinder heads
- Diaphragms
- EGR valve
- EVAP
- Exhaust manifolds
- Exhaust pipes and mufflers
- Fuel Tank Pressure Sensor
- Intercooler
- Intake gaskets
- Injector o-rings
- Loose clamps
- MAP sensors
- Mass air flow meter
- Oil leaks
- PCV valve and hoses
- Throttle body shaft
- Turbos
- Vacuum hoses
- Vacuum switches
- Wind and water



EELD500



Specifications

Power Consumption	12/18 volts dc, 25 amps
Supply Volume	10 liters per minute
Line Length Smoke Hose ft. (mm)	96" (244 cm)
Line Length Power Supply ft. (mm)	96" (244 cm)
Weight lbs (Kg)	11.5 lbs. (5.25 kg)
Dimensions Inches (mm)	12" w 9" d x 12" h (31cm w x 23 cm d x 31cm h)
Maximum Pressure Input	170 PSI
Max Output Test Pressure	13 in/H2O
Power Supply	12 VDC
18V Battery Life - Slide on	Approximately 15 minutes

Included Components

Stock Number	Description
	Main Unit
EELD500-1	8 Oz. Bottle of UltraTraceUV [®] Dye Solution
EELD500-2	Large Adaptor Cone
EELD500-3	Vacuum Adaptor
EELD500-4	Combination LED UV Light and Yellow Glasses
EELD500-5	Removable Battery Clamp Lead Set
EELD500REM	Remote Control
EELD500-Z	User Manual
EELD301A2	Assorted Cap-Plug Set
EELD301A3	Exhaust Cone (1" x 3.5" Diameter/6" Long)
EELD301A4	Smoke Diffuser (for finding wind/water leaks)
EELD302A2	EVAP Service Port Adaptor Fitting -- Standard Size
EELD302A4	Dual-Size Schrader Removal/Installation Tool



EELD500

Optional Accessories

- EELD500C02 C02 Bottle and Regulator*
- EELD500CVR Protective Cover
- CTC620 Battery Charger
- CTB4187 18v Slide on Battery
- EELD500-1 Additional 8 oz. Bottle of Solution
- EELD500-6 2nd Smoke Hose
- SVT270P Vacuum Pump
- EELDGASCAP Gas Cap Adaptor (3 pack)
- EELDGASBMW 1 Gas Cap Adaptor BMW



EELD500C02



CTB4187 and EELD500C02



SVT270P



CTC620

Handle will push through flap to store for hanging



EELD500CVR



EELDGASCAP

⚠ WARNINGS

- ⚠ •Wear safety goggles. (User and bystanders)
- ⚠ •Do not use in environment with explosive vapor.
- ⚠ •Use only in well ventilated area.
- ⓘ •Read additional safety precautions on pages 594 to 597 in product catalog CAT1100.

*EELD500C02 is a BA item, ships empty and needs to be filled at Hardware Store.