



ES-300-G

ELECTRONIC SIGHTGLASS REFRIGERANT BUBBLE DETECTOR

The ES-300-G Electronic Sightglass gives the AC service technician a real time, non-invasive look inside a refrigerant system. It is an ideal time-saving troubleshooting tool for quickly checking the AC system's charge level and also for detecting defective AC components without the need to connect AC hoses and gauges.

Using ultrasonic technology, the ES-300-G responds and displays virtually in-sync with an actual sight glass as refrigerant changes state from liquid- to a liquid/gas mixture- to a gas. The graphic LCD displays a simulated cross section of the refrigerant tubing with animated circles (simulating bubbles) continually sweeping horizontally across the screen through the tubing- similar to an actual sight glass.

This valuable tool allows the professional AC technician to conduct both preventive maintenance and to quickly diagnose difficult service issues without opening up the system.



APPLICATIONS:

- Household and commercial central air conditioners
- Package systems-window air conditioners, room units
- Household and commercial refrigerators and freezers
- Remote and/or split systems
- Mini Split AC Systems
- Automotive EV (electric vehicle) heat pump systems
- All AC heat pump systems
- All Automotive AC Systems

FEATURES:

- Optimizes refrigerant charge for max. cooling
- Isolates defective AC components
- Aids in adjusting TXV valves
- Isolates clogged accumulator/receiver dryer
- Eliminates the need for an optical sight glass
- Operates on any metal tubing
- Includes a rugged carrying case
- Four foot Transducer Sensor cables
- MADE IN USA



US PATENT #12,123,850

SPECIFICATIONS:

Operating Temp Range:	32F to 125F
Power Supply:	4 AA Alkaline Batteries
Response Time:	Instantaneous
Tubing Diameter Range:	1/8" to 1.25"
Battery Life (continuous):	Approx. 15 hours
Product Size (inches):	2.12 x 7.00 x 9.5
Weight:	1.6 lbs.
Display:	1.8" Color Graphic LCD
Warranty:	2 years limited

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