



Mastercool® Inc.
"World Class Quality"

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55800 LEAK DETECTOR

The 55800 leak detector employs a new metal oxide gas sensor for the detection of chlorofluorocarbon gasses and blends. This tin oxide sensor is characterized by high sensitivity and a fast response, upon detecting the presence of extremely small levels of chlorofluorocarbon gasses.

Integrated into the design is a powerful microprocessor that automatically selects the best operating conditions for the sensor, to ensure optimum performance. The optimum sensor performance is maintained and monitored throughout the life of the sensor. Meets and exceeds J2791 (R134a) and J2913 (R1234yf).



"**Super Sensitive Function**" allows the unit further sensitizing beyond the standard settings for locating small leaks with gasses such as R1234yf and R407C

LCD FEATURES:

WAIT: This indication flashes whenever the unit is in the wait mode. This could occur whenever the unit is turned on or interference is detected.

READY: This indication appears when the unit is ready for use.

INT: This indication appears whenever the microprocessor detects conditions that are not suitable for reliable leak detection. Excessive wind blowing, blocked probe (no air flow), burned out fan, or a missing or defective sensor that needs to be replaced.

BATTERY SYMBOL: When the battery symbol becomes illuminated this is an indication that the battery is low and needs to be replaced.

H - M - L: High, Medium and Low sensitivity ranges will be displayed accordingly based on the selection made on the keypad.

SIGNAL LEVEL BARS: There are 10 vertical signal level bars on the display corresponding to the level of signal detected by the unit.

ERROR SIGNALS: E1 through E9 indicates diagnostic signals.

KEYPAD FUNCTIONS:

ON/OFF: Press the ON/OFF button on the center of the keypad to turn the unit on or off.

VOLUME/MUTE: Press the VOLUME/MUTE button to control the volume of the unit.

H M L SENSITIVITY: Press the H M L SENSITIVITY button to select the desired sensitivity level.

HOLD: Press the HOLD button to freeze the signal bars. Press the HOLD button again to disengage.

PEAK: Press the PEAK button when multiple leaks are suspected as being present.

SPECIFICATIONS:

SENSITIVITY:

- HIGH ≥ 0.15 oz/yr
- MEDIUM ≥ 0.25 oz/yr
- LOW ≥ 0.5 oz/yr

PROBE:

- Intelligent tip design that senses the condition of the environment, to eliminate the potential of false alarms.
- Flexible 16" probe for difficult to reach locations

DISPLAY:

- Progressive LCD with vertical bars corresponding to the magnitude of the detected leak.
- Visual indication of the selected sensitivity range

REFRIGERANTS:

Detects All refrigerants (CFC, HFC, HCFC and blends)
Unit has been tested and approved to work with R1234yf as well as R32 and R410a

SENSOR LIFE:

2000 hours

OPERATING TEMPERATURE RANGE:

0 to 140°F

POWER:

Two (2) D Batteries

BATTERY LIFE:

60 hours continuous use

WEIGHT:

1 lb. 8 oz

