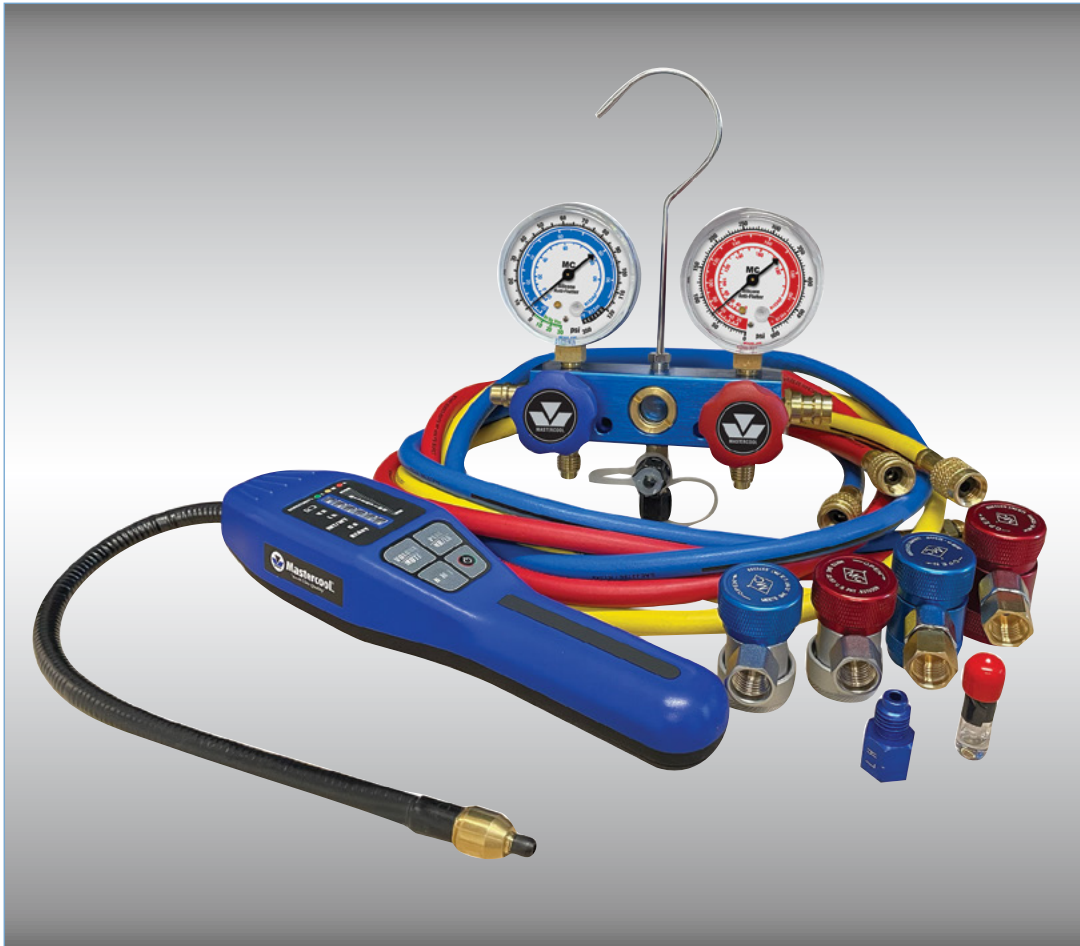




**Mastercool**<sup>®</sup> Inc.  
"World Class Quality"

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## 55900-COMBOKIT ELECTRONIC LEAK DETECTOR COMBO KIT



### ***This comprehensive kit includes:***

#### **55900**

Intella Sense II Refrigerant Leak Detector packaged in a blow molded case with 2 "C" batteries, leak test vial and replacement filters

<< DESIGN CERTIFIED BY INTERTEK TO MEET J2791 (R134A), J2913 (R1234YF) AND EN 14624 >>

At the heart of this leak detector is a new low power metal oxide gas sensor with superior performance properties such as lower current consumption and sensor longevity. The new sensor is characterized by high sensitivity and fast response upon detecting the presence of extremely small levels of chlorofluorocarbon gases. For this reason, this sensor was selected and integrated into the 55900 Leak Detector. In addition, a powerful microprocessor was integrated into the design that automatically selects the best operating condition for the sensor to ensure optimum performance throughout the life of the sensor.

#### **89661-AYF**

R1234yf/R134a aluminum manifold gauge set, 2 1/2" gauges, 3-60" R134a standard hoses, R134a manual couplers (82834, 82934), R1234yf couplers (83834, 83934), 1/2" acme-m x 1/2" acme-f LH thread adapter (83633), (2) 12 mm-m x 14 mm-f R1234yf adapters (83735)

### **55900 FEATURES/SPECIFICATIONS**

- Sensing Element: Heated Tin Oxide
- Sensor Life: 2000 hours
- Refrigerants: Detects all refrigerants (HFC, CFC, HCFC, and blends).
- Sensitivity Levels:  
HIGH : 0.15 oz/yr (4 g/yr)  
MEDIUM: 0.25 oz/yr (7 g/yr)  
LOW: 0.50 oz/yr (14g/yr)
- Response Time: less than 1 second
- Battery: 2 "C" Alkaline 6000 mAh batteries
- Operating Temperature Range: 0°F to 120°F
- Probe:
  - Intelligent tip, with environment sensing element to eliminate the potential of false alarms
  - Flexible 15.5 inch probe length for difficult to reach locations.
- Display:
  - Six vertical LED's enabled selectively (red, yellow or green) to display the following information to the user such as:
    - The relative signal level of the detected leak
    - The selected sensitivity range (low/medium or high) of the unit
    - Diagnostic information : low battery, interference/wait, contaminated atmosphere readiness of the unit or fault conditions of the unit
- Keypad Controls:
  - ON/OFF button (push-on/push-off)
  - Volume/Mute button (high, low or mute)
  - Sensitivity button for High, Medium and Low sensitivity level selection
  - Peak button when multiple leaks are suspected (push enable/disable)

### **89661-AYF FEATURES/SPECIFICATIONS**

- Professional extruded aluminum block
- 2 1/2" silicone dampened, recalibrateable gauges
- Free-floating piston type valves reduce o-ring wear
- Extra access port for vacuum line
- Extra large sight glass for visual refrigerant check
- Large easy-to-grip knobs
- R1234yf high and low side couplers with extended disconnect protection sleeve meets SAE J639 & J2888
- R134a high and low side manual couplers meet SAE, UL and EPA requirements for containment of refrigerant
- 1/2" acme-m x 1/2" acme-f LH thread adapter
- (2) 12 mm-m x 14 mm-F R1234yf adapters
- Set of 3 - R134a standard hoses