

TEK-Mate[®]

Refrigerant Leak Detector



THE AFFORDABLE, PORTABLE LEAK DETECTOR

If you're looking for a moderately priced, hand-held leak detector with proven D-TEK™ heated diode sensor technology — TEK-Mate is the tool for you.

- ◆ 0.4 oz./yr. sensitivity to CFCs, HCFCs, and HFCs
- ◆ Automatically compensates for changing background contamination
- ◆ Variable intensity audible signal and single flashing LED help locate leaks fast
- ◆ Uses 2 "D" batteries

TECHNICAL NOTES

The INFICON TEK-Mate Refrigerant Leak Detector incorporates an electrochemical sensor consisting of a ceramic substrate, doped with a reactive element, and maintained at high temperature by a built-in heating element. When a halogen-bearing gas contacts with the hot surface, the chlorine, fluorine, or bromine atoms are separated from the molecule and ionized. This causes an electrical current to flow within the ceramic to a collection electrode at the center.

Careful selection and application of the ceramic permits the INFICON sensor to provide similar responses to CFCs (such as R11 and R12), HCFCs (such as R22 and R123), HFCs (such as R134a) as well as replacement blends (such as R404A and R410A) so that the operator need not determine the refrigerant in use, nor remember to set a selector switch. Furthermore, when searching for HFCs, the instrument does not have an exaggerated response to traces of chlorine-bearing vapors which are frequently present.

SPECIFICATIONS

Base unit includes	Sensor, 2 D-size alkaline batteries, spare filters, and a hard plastic carrying case.
Sensitivity to CFCs, HCFCs, HFCs	0.4 oz/yr. (11 g/yr.)
Controls	3-position slide switch— off, low sensitivity, high sensitivity
Power	2 D-size (1.5-volt) alkaline batteries
Contamination adjustment	Automatic
Weight with batteries	1.54 lb (700 g)
Operating temperature range	-20°F to +122°F -27°C to +50°C
Probe	Chrome-plated flexible metal. Approximate length: 17" (43 cm)
Sampling system	Positive displacement pump
Certifications	CE marking per Safety and EMC. SAE J1627
Warranty	2 years

ACCESSORIES

TEK-Mate	705-202-G1
Sensor	703-020-G1
Filter kit	705-600-G1
Storage case	705-401-P2