



## TEK-Mate<sup>®</sup> Refrigerant Leak Detector

### PROVEN HEATED DIODE TECHNOLOGY IN AN AFFORDABLE PACKAGE

#### RELIABLE LEAK DETECTION

TEK-Mate is the ideal refrigerant leak detector for the light-to-medium duty user who demands reliable leak detection at a budget-friendly price.

Features such as the patented INFICON heated diode sensor, variable intensity audible and visual alarms and automatic compensation for changing background refrigerant concentrations make TEK-Mate the best bargain in refrigerant leak detectors.

See for yourself why TEK-Mate is the #1 selling refrigerant leak detector in the HVAC/R market.

#### FEATURES AT A GLANCE

- 0.25 oz/yr (7g/a) minimum sensitivity
- Runs on 2 "D" size alkaline batteries
- Detects R22, R410A, R134A, and all other CFCs, HCFCs and HFCs
- Automatic background adjustment ("zeroing")
- Rugged flexible metal probe
- Low battery indicator
- High/low sensitivity selector and power in one switch
- 2-year replacement warranty
- Made in the USA

#### 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.

INFICON offers a full line of refrigerant leak detectors for any application.

	<b>TEK-Mate</b>	<b>Compass</b>	<b>D-TEK™ Select</b>
Recommended Applications	Residential and Automotive A/C	Residential and Light Industrial A/C	Industrial A/C and Refrigeration
Sensor Technology	Heated Diode	Heated Diode	Infrared Absorption
Sensitivity	0.25 oz/year	0.15 oz/year	0.10 oz/year
Battery Type	2 D-Size Alkaline	Rechargeable NiMH	Rechargeable NiMH
Operates on AC Power	No	Yes	Yes
Manual Zeroing	No	No	Yes
Automatic Zeroing	Yes	Yes	Yes

## SPECIFICATIONS

Base unit includes	Sensor, 2 D-size alkaline batteries, spare filters, and a hard plastic carrying case
Sensitivity to R22, R410A, R134a and other CFCs, HCFCs, HFCs	0.25 oz/yr. (7 g/yr.)
Controls	One multi-function button for power and high/low sensitivity selection
Power source	2 D-size (1.5-volt) alkaline batteries (included)
Battery life	Approximately 16 hours
Weight with batteries	1.54 lb (700 g)
Probe	Chrome-plated flexible metal. Approximate length: 17" (43 cm)
Sampling system	Positive displacement pump
Certifications	CE marking per Safety and EMS. SAE J1627
Warranty	2 years

## TEK-MATE / ACCESSORIES

TEK-Mate	705-202-G1
Sensor	703-020-G1
Filters	705-600-G1
Storage case	705-401-P2
TEK-Check R134a Reference Leak	703-080-G1



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TEK-Mate is a registered trademark of INFICON.

Due to our continuing program of product improvements, specifications are subject to change without notice.

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