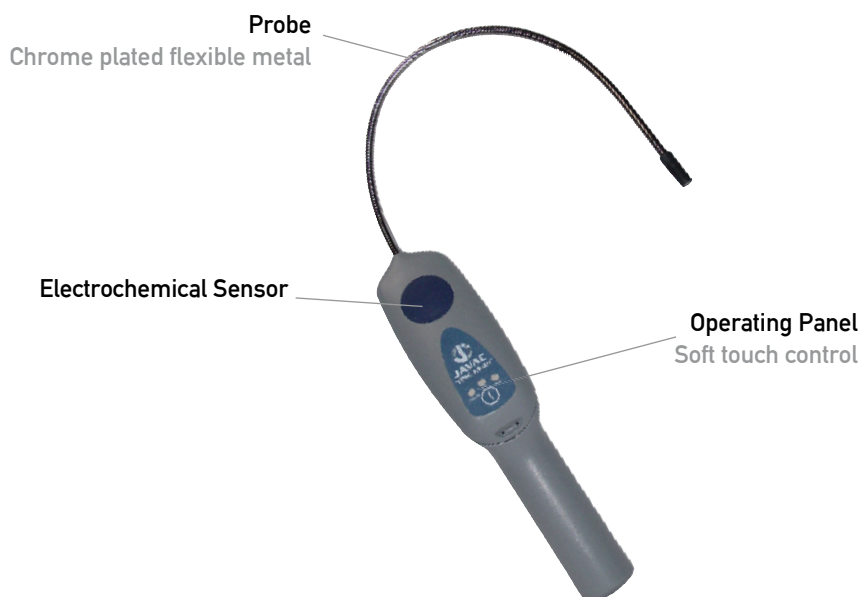


Tek-Mate

Refrigerant Leak Detector

The Tek-Mate is known in the refrigeration and automotive industry as an extremely reliable and affordable portable leak detector. This unit features a soft touch operational pad which allows the user to easily control the unit from one central point, including turning the unit on and off; and selecting the High/Low detection level.



The Tek-Mate refrigerant leak detector incorporates an electrochemical sensor which is resistant to dirt, water, oil and other contaminants. This sensor consists of a ceramic substrate, doped with a reactive element and maintained at a high temperature by a built in heating element. When a halogen bearing gas contacts the hot surface, the chlorine, fluorine or bromine atoms are separated from the molecule and ionised. This causes an electrical current to flow within the ceramic substrate to a collection electrode at the centre. Careful selection and application of the ceramic substrate permits the sensor to provide similar responses to CFC's (such as R404a and R12), HCFC's (such as R22 and R123), HFC's (such as R134a) and SF6 as well as replacement blends (such as R404a and R410a), so that the operator need not determine the refrigerant in use or remember to set a selector switch. Furthermore, when searching for HFC's the instrument does not have an exaggerated response to traces of chlorine bearing vapours which are frequently present.

Features at a Glance

- Equal sensitivity to CFC's, HCFC's, HFC's and SF6 eliminates resetting unit for different refrigerants
- Variable intensity audible signal and single flashing LED helps pinpoint leaks
- The automatic background compensation feature continuously monitors and compensates for changing background 'noise' without the need for manual adjustments by the operator
- The base unit includes a sensor, 2 x 'D' batteries, spare filter and hard plastic carry case

TECHNICAL SPECIFICATIONS

Suggested Applications

Light to medium duty domestic, automotive and refrigeration applications

Sensor Technology

Heated diode

Sensor Life

100 hours

Sensitivity

5g/yr (EN 14624)

Leak Indicators

1 LED; variable intensity audible alarm

Power Source

2 x 'D' alkaline batteries

Battery Life

16 hours (approximately)

Probe Type

Chrome plated flexible metal

Probe Length

43cm

Control Panel

Soft Touch:
On/Off
Low/High sensitivity

Contamination Adjustment

Automatic

Operating Temperature Range

-27°C to +50°C

Sampling System

Positive displacement pump

Certification

CE marking per Safety and EMC.SAE J 1627

Manufacturer's warranty: 12 months