



Tracy Hydrogen Leak Detector

HYDROGEN LEAK DETECTION ON REFRIGERATION SYSTEMS

The new portable Tracy Hydrogen Leak Detector makes leak detection with hydrogen tracer gas available for installation, retrofit and maintenance of commercial RAC systems. Leaks resulting from minor defects in the assembly, such as cracks, weld porosity, valve leakage etc., will be easily pin-pointed with the help of hydrogen tracer gas. This minimizes unnecessary loss of refrigerant gas and reduces costs and environmental impact.

THE IDEAL TOOL FOR CONTRACTORS AND INSTALLERS

Tracy Hydrogen Leak Detector is small, robust and easy to move around, making it the ideal tool for RAC maintenance, repair, re-fit and installation. The instrument allows for exact locating of even multiple leaks on small and large refrigerant systems. With the help of the Tracy Hydrogen Leak Detector you can be sure to find ALL leaks and reduce repeated maintenance, warranty costs, as well as energy costs related to low performance of leaking systems. Limited loss and above all no use of refrigerant as tracer gas will definitely result in a low impact on the environment. This method is completely dry and does not require cleaning or drying after the leak test.

SENSITIVE AND EASY TO OPERATE

As tracer gas we recommend a low cost standard mixture of 5% Hydrogen (H₂) and 95% Nitrogen (N₂) available from major gas suppliers. This mixture is non-flammable, non-corrosive, non-toxic and environmentally friendly.

Tracy Hydrogen Leak Detector comes in a nylon casing with a shoulder strap for easy carrying. Just power up the instrument and move the hand probe along the test object. An audio alarm and LED lights indicate that a leak has been

FEATURES AT A GLANCE

- Allows exact pin-pointing of leak position even in case of multiple leaks
- Finds leaks under insulation (not possible with bubble leak detection)
- Reduces warranty work and maintenance costs
- Uses an environmentally friendly tracer gas
- Allows for a dry leak testing method
- Helps you find ALL leaks
- Saves up to 90% of time for leak detection on industrial RAC installations
- Can be used simultaneously with pressure test
- Has been field proven and tested
- Dynamic sensitivity setting (DSS)

detected. The instrument is equipped with smart functions such as the Auto Power Off, and for maximum mobility, the detector can be charged in your car.

SPECIFICATIONS

Sensitivity	2.8 g/y R134a (0.1 oz/y)
Response time	< 1 s
Warm-up time	< 6 s
Outputs	– 10-LED bar graph indicator – Speaker – Earphone, standard 3.5 mm (1/8") jack, > 8 ohms
Battery type	Rechargeable lead batteries (gel electrolyte)
Battery capacity	12 hours (full charge)
Maintenance	Maintenance-free
Chargers	AC charger (100-240 VAC) Car charger (9-15 VDC)
Casing	Aluminum
Protection	Instrument: Waterproof IP64 Hand Probe: Waterproof IP52
Dimensions	250 x 120 x 85 mm (9.85 x 4.75 x 3.35 in.) In carrying case: 260 x 220 x 95 mm (10.25 x 8.70 x 3.75 in.)
Weight	In carrying case: 2.5 kg (5.5 lb), (hand probe excluded)
Ambient temperature range	-20° — 50°C (-4° — 122°F)

ORDERING INFORMATION

	Part no.
Tracy Hydrogen Leak Detector complete with 3 m probe cable, hand probe, AC charger (100-240 VAC), car charger (9-15 VDC), nylon casing and user manual	590-520
Replacement Parts	
Cable C21, 3m (9.8 ft)	590-161
Cable C21, 6m (19.6 ft)	590-175
Cable C21, 9m (29.5 ft)	590-165
Battery (order 3 pcs for complete change)	591-294
AC charger (100-240 VAC)	591-300
Car charger (9-15 VDC)	591-361
PK50 Flex Hand Probe	590-940
Sensor (for sensor replacement)	590-292

