

INTRODUCTION

The Metravi RLD-02 Refrigerant Gas Detector is a versatile and high-sensitivity solution designed for fast, accurate detection of refrigerant leaks across a wide range of HVAC and automotive applications.

With compatibility for over 30 commonly used and specialised refrigerants—including CFCs, HCFCs, and HFCs—it provides comprehensive coverage for modern air conditioning and refrigeration systems, making it an essential tool for service technicians and maintenance professionals.

Engineered for precision and ease of use, the RLD-02 features a highly sensitive sensing system capable of detecting even minute leaks, helping prevent system inefficiencies, environmental impact, and costly refrigerant loss.

Its flexible gooseneck probe with integrated LED illumination allows easy access to confined and hard-to-reach areas such as condensers, evaporators, and engine compartments, ensuring no leak goes undetected.

Designed for real-world working conditions, the instrument offers intelligent filtering of ambient interference, clear audio-visual alarms, and a user-friendly display for reliable and immediate leak identification.

With dual temperature display modes and robust performance across a wide temperature range, the Metravi RLD-02 is a dependable and practical tool for HVAC servicing, automotive repair, and field diagnostics.



FEATURES & FUNCTIONS

- 30+ Refrigerant Compatibility: Supports CFCs, HCFCs, and HFCs – One tool for multiple HVAC and automotive applications
- High Sensitivity Detection (up to 1 ppm resolution): Detects leaks as small as 0.5 oz/year – Identify even the smallest leaks before they become costly problems
- Intelligent Interference Filtering: Reduces false alarms from ambient gases – Ensures reliable and accurate leak detection
- Flexible Gooseneck Probe with LED Light: Reaches tight and hidden areas easily – Detect leaks in condensers, evaporators, and engine compartments with ease
- Audio & Visual Alarm System: Adjustable thresholds with buzzer alerts and LCD display – Instant and clear indication of leak presence
- Dual Temperature Display (°C / °F): Quick switching for different working conditions – Convenient for varied environments and user preferences
- Wide Operating Temperature Range (-10°C to 50°C): Suitable for indoor and outdoor use – Reliable performance across diverse job-site conditions
- Long Battery Life (AAA Powered): Efficient power usage for extended operation – Reduced downtime during field work

APPLICATIONS

- HVAC Servicing & Maintenance
- Automotive Air Conditioning Repair
- Refrigeration System Inspection
- Leak Detection in Industrial Cooling Systems



*Technical Specifications & Appearance are subject to change without prior notice

TECHNICAL SPECIFICATIONS

FEATURE / FUNCTION	SPECIFICATIONS
Gases Detected	CFCS Chlorofluorocarbons: R11, R12, R13, R113, R114, R502, R500, R503, R170, R600a, R1270
	HCFCs Hydrochlorofluorocarbons: R22, R32, R123, R124, R141b, R142b, R402A, R402B, R403A, R409A
	HFCS Hydrofluorocarbons: R-1234yf, R410a, R134a, R404a, R125, R407C, R417A, R507, R23, R1343
Detection Range	0~1000ppm
Accuracy	± 5%FS
Resolution	1ppm
Sensitivity	R22@0.5oz/year
Measurement Distance	≤5mm
Warm-up Time	30 seconds
Operating Temperature	-10~50°C / 14~122°F (±1°C / 2°F)
Flashlight	Front-end of the probe is equipped with an LED light
Alarms	User-settable; Lower limit / Upper limit
Alarm Modes	Beeping (audible); Graphical display (visual)
Power Supply	AAA Alkaline battery x 4pcs
Auto Power-off	After 30 secs of non-operation
Weight	≈160g
Dimensions	4.5 x 16 x 3.5 cms
Length of Probe	≈215 mm / 21 cms
Accessories	Hard Carrying Case, User Manual, Batteries



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