

MENTOR

TD20-012-1.0 PORTABLE REFRIGERANT IDENTIFIER TECHNICAL DATA SHEET

The 'Mentor' Automotive Refrigerant Identifier utilizes state-of-the-art NDIR (Non-Dispersive Infrared) technology for the identification of refrigerant gases in automotive air-conditioning systems. The **Mentor** has been developed with over 30 years of experience in the design and production of safety critical gas analysis systems recognized globally as the best in the market for accuracy and quality.

FEATURES

- One identifier accurately analyses both R-134a and R-1234yf for purity
- Identifies R-1234yf, R-134a, R-12, R-22 and HC as contaminants
- SAE J2912 Certified
- Provides VDA and SAE output
- Five year oxygen sensor
- Minimal loss of refrigerant during test
- Robust case with integral carrying handle
- Contaminant resistant numeric keypad
- LCD graphics display
- USB communications
- Bluetooth App to save test results & print from a PC
- Eight languages available

BENEFITS

The **Mentor** refrigerant identifier plays an important role in helping to protect automotive air conditioning systems and service and recovery equipment from potential damage caused by the potential, and unknowing use of illegal refrigerants. The recovery of contaminated refrigerant can damage expensive service and recovery equipment, potentially leading to expensive repair bills or even scrappage. **Mentor** will prevent contamination of your refrigerant supply from illegal contaminants from refrigerant cylinders and customer vehicles, therefore stopping cross contamination of other vehicles with these illegal contaminants.



MENTOR INSTRUMENT KIT

Supplied with custom designed carrying case and the following accessories:

- Vehicle A/C connectors
- R-1234yf and R-134a sample hose, service couplers and cylinder adapters
- Battery charger
- Optional Bluetooth printer & charger



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SPECIFICATIONS

Refrigerants and other vapours identified	R-1234yf and R-134a
Sample type	Vapour only
Sample volume	Less than 5 grams per test
Operating temperature range	+10°C to +49°C
Sensor type	NDIR – Non-Dispersive Infrared
Operating time on fully charged battery	8 hours minimum or approximately 200 tests
Expected oxygen sensor lifetime	5 years
Test cycle time (purge + test)	Typically, 140 seconds
Communication portal	USB 3.0
Printer & App communications	Bluetooth 4.2
Stored test results capability	50 tests
Languages	Chinese, English, French, German, Italian, Polish, Portuguese & Spanish
Weight	1.4 kg (3.1 lb)
Approvals	SAE J2912, UL61010, CE, EMC

REFRIGERANTS IDENTIFIED

R-1234yf, R-134a, R-12, R-22 and Hydrocarbons (propane, butane or isobutane) as contaminants.

- Displays each type of refrigerant as % by weight
- Displays amount of air in the system
- Long battery operation 8 hours or 200 tests

Up to 50 test results can be stored by vehicle registration or VIN. The USB connection together with the Automotive Refrigerant Configurator PC app can be used for software updates, sensor calibrations and simulating connection to a refrigerant recycling station.



Mentor bluetooth printer (optional)

ORDERING INFORMATION

SS980	Mentor (no kit/carrying case)
SS980-KIT	Mentor Kit (with printer)
SS980-KIT-NP	Mentor Kit (without printer)

TYPICAL SYSTEM SETUP

