The ‘Mentor’ Portable Automotive Refrigerant Identifier provides simple and accurate refrigerant analysis. The Mentor is a user-friendly, cost effective R-1234yf and R-134a refrigerant purity analyzer designed with state-of-the-art non-dispersive infrared (NDIR) 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.
**SPECIFICATIONS**

- **Refrigerants and other vapours identified**: R1234yf and R134a
- **Design standard**: SAE J2912
- **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 communication**: Bluetooth 4.2
- **Stored test results capability**: 50 tests
- **Weight**: 1.4 kg (3.1 lb)
- **Approvals**: 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.

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SS980</td>
<td>Mentor (no kit/carrying case)</td>
</tr>
<tr>
<td>SS980-KIT</td>
<td>Mentor Kit (with printer)</td>
</tr>
<tr>
<td>SS980-KIT-NP</td>
<td>Mentor Kit (without printer)</td>
</tr>
</tbody>
</table>

**TYPICAL SYSTEM SETUP**

Contact:

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