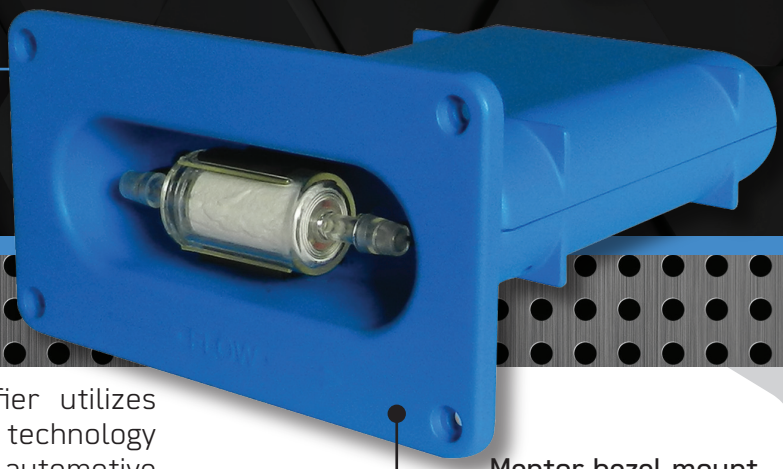
MENTOR

TD20-013-1.0
FIXED REFRIGERANT IDENTIFIER
TECHNICAL DATA SHEET

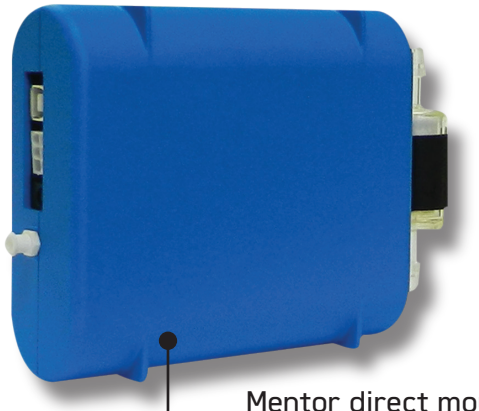


Mentor bezel mount internal unit

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 R134a and R1234yf for purity
- Identifies R1234yf, R134a, R12, R22, HC and Air as contaminants
- SAE J2927 Certified
- For use with SAE J2843 or SAE J2851 certified Automotive AC Service equipment
- PC software allows for simple setting to VDA or SAE mode
- Five year oxygen sensor
- Replaceable Oil Contamination indicator in front panel
- Minimal loss of refrigerant during test
- USB or RS232 communications



Mentor direct mount internal unit

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.

Status Scientific Controls Ltd.
www.refrigerantidentifier.com

A PST Company
www.processsensing.com

SPECIFICATIONS

Refrigerants and other vapours identified	R1234yf and R134a
Sample type	Vapour only
Sample weight	Less than 5 grams per test
Operating temperature range	$+10^0$C to $+49^0$C
Sensor type	NDIR – Non-Dispersive Infrared
Sensor stabilization time	2 minutes after power on
Expected air sensor lifetime	5 years
Test cycle time (purge + test)	Typically, 140 seconds
Communication portal	USB 3.0 and RS232
Stored test results capability	5 tests
Weight	0.6 kg (1.3 lb)
Approvals	SAE J2927, UL 61010, CE, EMC

TEST RESULTS

The USB / RS232 connection can be used to transfer the test results to air conditioning recovery machines, and may also be used together with the Automotive Refrigerant Configurator PC app for software updates, sensor calibrations and simulating connection to a refrigerant recycling station.

REFRIGERANTS IDENTIFIED

R1234yf, R134a, R12, R22 and Hydrocarbons (propane, butane or isobutane) as contaminants.

- Displays each type of refrigerant as % by weight
- Displays amount of air in the system
- Up to 5 test results can be stored

ORDERING INFORMATION

SS981	Mentor Fixed Refrigerant Identifier – Bezel Mount Version
SS982	Mentor Fixed Refrigerant Identifier – Direct Mount Version

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