

The 3rd generation independent tool for the diagnosis of automotive air conditioning systems with R134a, the **EXXOCLIM 3** allows measures, controls, and automatic diagnostic of cooling circuit or one of its components or one of its features.

Intuitive and easy to use, it allows, thanks to PC connectivity, the diagnosis reports' storage and edition.



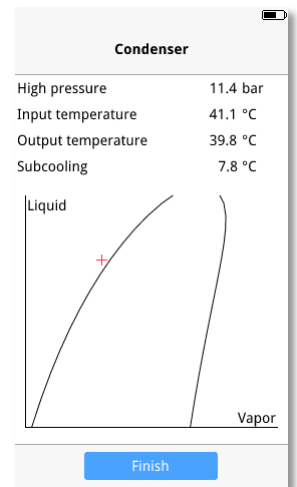
Measuring mode

Measurements	
Air temperature	10.9 °C
Humidity	81.6 %
High pressure	11.5 bar
Low pressure	2.2 bar
TK1 temperature	42.3 °C
TK2 temperature	40.3 °C
TK3 temperature	39.4 °C
TK4 temperature	9.6 °C

- ✓ High pressure
- ✓ Low pressure
- ✓ Coolant temperature (4 measurement's points)
- ✓ Temperature and humidity of the ambient air
- ✓ Cabin forced-air temperature

Control mode

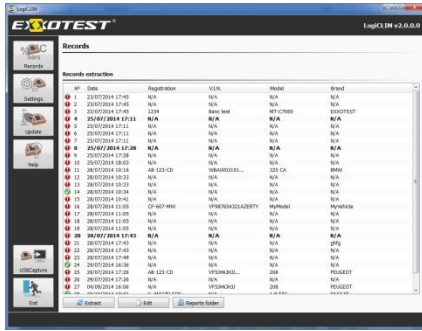
- ✓ Charge in coolant fluid control
- ✓ System effectiveness control
- ✓ Compressor control
- ✓ Regulator/evaporator or calibrated orifice/ evaporator control
- ✓ Control condenser



Automatic diagnostic mode

Automatic diagnostic	
GOOD RESULT	
Initial conditions	
Ambient air temp.	23.1 °C
Ambient air humidity	60.2 %
Measurements	
Vent air temp.	7.7 °C
High pressure	11.0 bar
Low pressure	2.0 bar
HP temp.	39.8 °C
LP temp.	13.7 °C
Subcooling	6.4 °C
Overheating	12.9 °C

- ✓ Procedure completely guided with descriptions of the connections and operations.
- ✓ Visualization of measured values, high pressure, low pressure, high and low temperatures of coolant fluid, initial conditions, efficiency (forced air), superheat, sub-cooling
- ✓ Measures results interpretation in the form of "potential modes and causes of failure". Print a diagnostic report of controller and customer



PC-application for the records' management and edition

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AIR CONDITIONING DIAGNOSTIC REPORT			
Vehicle information			
Brand	Make/Model	mileage	120000
Model	Make/Model	Registration	CF-402-999
VIN	VF8VW8234ZABE7Y		
Initial conditions			
GMF (°C)	24.9	TKF (°C)	55.5
Measured values			
HP (bar)	11.5	TK_HP (°C)	40.1
LP (bar)	2.5	TK_LP (°C)	19.6
SC (°C)	5.7		
CM (°C)	7.8		
MT (°C)	24.1		
Diagnostic			
Diagnostic result	Bad result		
Possible cause of failures			
D001 - Fluid leak D007 - Fans speed unsuited / faulty pressure sensor D008 - Healthy compressor			
Comments			
Miscellaneous		Company stamp	
Repairer	Gael PERAGALK		
Date	EXXOCLIM 3 N°B 1001		
Diagnostic date	2007/07/11 11:05		

Diagnostic report



Main characteristics

Power	Internal battery (autonomy up to 6 to 8 hours) or AC (transformer 100-240V - 50-60Hz provided 12Vdc - 1800 mA).
Display	Graphic color backlit screen 480x272
Communication interfaces	Interfacing via USB, shipped with the Records' Management & Edition PC-application - "LOGICLIM"
Components and Accessories	Box in ABS plastic with shock-absorbing protection delivered in kit with instructions, USB cable and connecting PC software. Accessories: 4 thermocouple sensors, 1 temperature / humidity radio sensor, motor suspension strap, AC charger.
Languages	French, English, Spanish, German, Italian
Temperatures	Using : up to 50°C ; Storage : up to -20 to 60°C ; Reference : 23°C +/-2°C

Measures

Temperatures	TH sensor: up to -10°C to +50°C – Resolution 0.1°C TK sensor: up to -30°C to + 120°C – Resolution 0.1°C
Humidity	TH sensor: up to 5 to 95% - Resolution 1%
High Pressure	Up to 0 to + 40 bars – Resolution : 0.1 bar
Low Pressure	Up to 0 to + 12 bars – Resolution : 0.01 bar

Training application: EXXOCLIM 3 is the ideal partner for the model MT-C7000



EXXOTEST® is a brand of ANNECY ELECTRONIQUE

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