

Oil and fuel analysis station AT12416, AT08915 series



Description

The AT12416 and AT08915 equipment allow the analysis of oils and fuels. In the AT08915 version, they also allow to identify the presence of micro-organisms in a diesel oil sample taken from fuel storage tanks, directly on the service station.

The control of the bacterial load or the presence of yeasts or molds must be carried out systematically before the annual treatment of a diesel tank with bactericide and fungicide (bactericidal and fungicidal treatment for tank bottom / aqueous phase + a treatment of the hydrocarbon phase).

Through the special quality sensors, it is possible to detect the main product characteristics, such as temperature, viscosity, dielectric constant and density. It also allows the analysis of the freezing point: time taken, product temperature (° C), numbness point CFPP1, and freezing point CFPP2.

Technical characteristics

• Power supply	100÷240 VCA (through the supplied power supply)
• Consumption	30 W max
• N. of test tubes	6 (only AT08915 version)
• Operating temperature	+10°C ÷ +30°C
• Dimensions	275X124H175 mm (AT12416 version) 275X166H128,5 mm (AT08915 version)

Device codes

Oil and fuel analysis station

AT12416 /Version	
	/C: with Can Bus interface /B: with Can Bus and Bluetooth® interface

Oil, fuel and bacteriological contamination analysis station:

AT08915 /Version	
	/S: basic /C: with Can Bus interface /B: with Can Bus and Bluetooth® interface



Oil and fuel analysis station
AT12416 series



Oil, fuel and bacteriological
contamination analysis station
AT08915 series

Oil and fuel analysis

The oil and fuel analysis kit connected to the analysis station allowing check the main characteristics of the fluids (brake oil, engine oil, etc.) and of the fuel taken from the storage tank.

- Temperature (°C)
- Viscosity (cP)
- Dielectric C.
- Density (gm/cc)
- Density15°C (gm/cc)

The analysis station visualizes the data on the display and, if equipped with a Bluetooth® printer kit (AT22415), allows printing

It also allows the analysis of the freezing point: time taken, product temperature (° C), numbness point CFPP1, and freezing point CFPP2.

The data of the analyzes carried out can be saved and subsequently exported in a circular file.

The kit consists of:

Ref.	Code	Description
1	AT21915/01	Product quality sensor, 1 m cable length
2	AT15215	Support for product quality sensor
3	AT16215/02	N ° 2 60 cc plastic jar for diesel sampling
4	AT05416	200 ml L-15 spray isopropyl alcohol
5	551-491	Case



Product quality analysis sensor mounted on AT15215 support

Bacteriological analysis

A sample of diesel, taken from the fuel storage tank, is placed, through special jar, in the analysis station, keeping it for 48 hours in crops and a further two days in stabilization with a forced air thermal cycle.

Trascorso il tempo di crescita della eventuale presenza di batteri e muffe viene visualizzato sul display il messaggio di fine procedura.

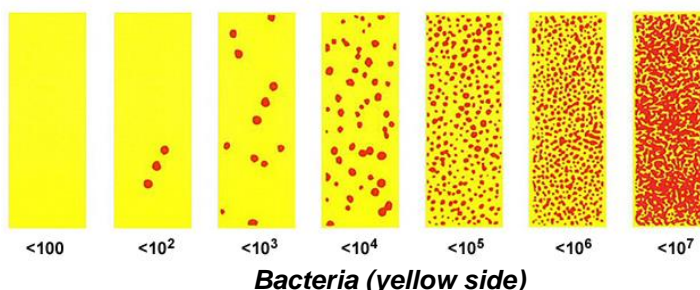


AT09015 bacteriological analysis kit

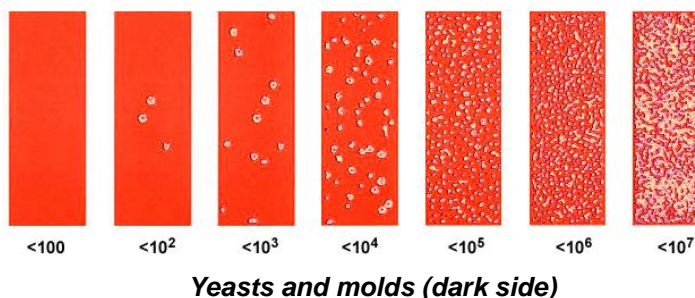
Analysis results

At the end of the incubation it is possible to proceed with the analysis of the swabs and the determination of the number of bacteria (yellow side) and yeasts and molds (red side).

- The amount of bacteria (yellow side)
 - $100 \div 10^2$: there is no contamination
 - $10^3 \div 10^4$: light contamination
 - $10^5 \div 10^7$: heavy contamination



- The quantity of yeasts and molds (dark side)
 - $100 \div 10^2$: there is no contamination
 - $10^3 \div 10^4$: light contamination
 - $10^5 \div 10^7$: heavy contamination



Accessories

AT22115/01	Fuel analysis kit complete with quality sensor product, cod. AT21915/01, support and 2 60 cc jars
AT21915/01	Product quality sensor, 1 m cable length (only with analysis stations with Can Bus interface)
AT15215	Support for product quality sensor
AT22415	Bluetooth® printer kit complete with Bluetooth® interface (to be installed in the fuel analysis station), Bluetooth® printer, battery charger and 10 rolls of paper
AT00414	Bluetooth® printer complete with battery charger and 10 rolls of paper
AT13916	Analysis station/PC connection kit complete of splitter cod. AT14116, TTL-RS232/USB cod. AT16915 converter cable, M12FM5P cod. AT14216 connection cable, CPTS03716 log download software and driver for USB

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