SETA STANHOPE-SETA

Micro Carbon Residue

Micro Carbon Residue Tester

Micro Carbon Residue of Petroleum Products

ASTM D4530-IP398; ISO 10370

- Carbon residue range 0.1% to 30.0% (m/m)
- Digital bar graph flowmeter display
- Automatic temperature ramp and gas flow control

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Micro Carbon Residue

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Micro Carbon residue tests are designed to provide an indication of the coke forming tendencies of oils and fuels under certain conditions. The relevant test method is ASTM D4530 - Determination of Carbon Residue (Micro Method) and is applicable to petroleum products that partially decompose on distillation at atmospheric pressure. Typical petroleum products covered include Lubricating Oils, Base Oils, Fuel and Gas Oils as well as crude oil. The test is a useful guide used in manufacture of lubricants. ASTM D4530 is called up in a number of key product specifications and in the case of BioDiesels it is the referee test.

Micro Carbon Residue Tester

ASTM D4530-IP 398; ISO 10370

The Seta Micro Carbon residue tester is an automatic instrument designed to run tests to determine the carbon residue formed after evaporation and pyrolysis of petroleum products as per ASTM and IP test methods.

The instrument comprises of an oven and insulating lid with curved top plug as defined in ASTM D4530 and IP 398.

Nitrogen gas purging and temperature RAMP sequences are fully automatic and no operator intervention is required when running the test.

A digital mass flow meter and high precision temperature control system ensure compliance to the methods.

The instrument is supplied with a 12 place holder, 6 place holder, removal tool, condensate trap, over lid, braided hose for nitrogen gas and rubber exhaust hose.

Key Features

- Carbon residue range 0.1% to 30.0% (m/m)
- Fully Automatic
- Very easy setup
- User friendly interface
- Digital bar graph for precise gas control
- Precise and automatic temperature ramp and gas flow control
- Large 18mm display digits
- Clear display of test status
- 12 sample capacity
- Calibrated for precise temperature ramp rate

Glass Sample Tubes

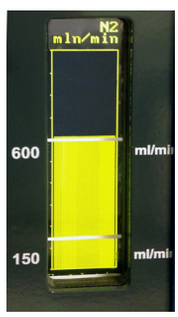
Stanhope-Seta offers two different sized glass sample tubes; 2ml and 16ml.

97401-0

97402-0

Digital Bar Graph Display

The Micro Carbon Residue Tester features an accurate, visual digital bar graph display enabling the user to easily read the gas flow at a glance. This incorporated device requires no additional set up or external devices.



Large LED Display

A large, simple, LED display featuring unique 18mm display digits provides users with clear visibility at all times.

Technical Specifications:	
Temperature Range:	Ambient to 500°C +/- 2°C
Ramp Rate:	10 to 15°C/min
Thermocouple:	Iron-constanton
Pressure Controller:	20 to 700kPa
Primary Pressure:	1000kPa max
Flowmeter:	0.1 to 1 litre/min
Flow rate:	Automatic, 150ml/min or 600ml/min
Power:	1.5kW
Consumption:	Aprrox 40l/N2 per test
Size (HxWxD) / Weight	46 x 35 x 39cm / 21kg

Ordering Information:	
Micro Carbon Residue Tester:	97400-3
Glass Sample Tube 2ml (pack of 100):	97401-0
Glass Sample Tube 16ml (pack of 100):	97402-0
Sample Tube 4ml for ISO 10370 (pack of 100):	97403-0

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