

OIL TEST CENTRIFUGE

90000-3 SETA OIL TEST CENTRIFUGE

ASTM D91; D96 (obs); D893; D1290; D1796; D1966; D2273; D2709; D2711; D4007; D5546; IP 75 (obs); IP 359; BS 2882 (obs); ISO 3734; ISO 9030; FTM 791: Methods 3000; 3003; 3004; 3101; 3121; 5661; DIN 51 793; NF M07-020; API 2542; API 2548; API MPMS Chapter 10.3

- Specifically designed for testing oils
- Heated chamber, ambient to 80°C
- 4 place swing out rotor
- Microprocessor control with 99 programme memory
- Membrane 'touch' control panel
- Pre-heat facility to ensure bowl is at test temperature prior to test
- Universal buckets for 12.5ml, 6 and 8 inch glassware
- Static, near vertical bucket positioning
- Conforms to safety requirements IEC 1010-1; 1010-2-D
- Optional 'Setafuge' Hazard Reduction System
- Optional trolley

Seta Oil Test Centrifuge is a microprocessor controlled, heated centrifuge manufactured exclusively for Seta by Hermle Laborotechnik. The instrument is fully programmable allowing automatic configuration to the specified oil test parameters.

A four place swing out rotor and universal bucket assembly accommodates low cost adaptors and cushions suitable for borosilicate glass centrifuge tubes of the types specified for oil testing: 6 or 8 inch conical, 8 inch trace sediment, 8 inch pear-shaped or 12.5ml. To reduce errors in measurement of tube content, the rotor design allows tubes to stand in a near upright (vertical) position at rest.

Speed, temperature, and timing are microprocessor controlled and run parameters are entered via the panel controls and digital displays.

Speed can be specified and measured in either RPM (rotational speed) or RCF (relative centrifugal force) mode and 99 run profiles can be stored in memory. The run duration can be set between 10 seconds and 100 hours in 10 second and one-minute increments, or set for continuous operation. Acceleration and braking time are user adjustable.

A controlled isothermal band heater holds the temperature between 30 and 80°C, and is programmed to compensate for friction heating effects during operation thus ensuring correct sample temperatures throughout the test.

A brushless asynchronous motor ensures high reliability with low maintenance and the centrifuge has in-built error messaging diagnostics.

SAFETY features include a motor driven lid latch with a safety interlock to prevent centrifuge operation while the lid is unlocked, imbalance detection, and over-temperature protection for both the motor and the chamber. The centrifuge is almost silent in operation with measured noise levels below 55 dB (A). Two types of trolleys are available as optional accessories to allow easy movement of the instrument. The centrifuge meets the safety requirements of BS 4402, DIN 58970, IEC 1010-1; IEC 1010-2-D; pr EN 61 010-1 & 61 010-2; BGR 500; Chapter 2.11; Part 3; UVV VBG 4 and VDE 0871.

SUPPLIED WITH: rotor, buckets, and cushions.

Note: Bucket adaptors and tubes should be selected from the method table according to test method requirements.



BIO-FUEL TESTING



90000-3



Oil Test Tubes and Bucket Adaptors

SPECIFICATIONS

Maximum Relative Centrifugal Force (RCF):	2214g
Maximum Rotational Speed:	3000 rev/min
Temperature Range:	30 to 80°C (switchable °F), ±1°C at 60°C
Timer Range:	10 sec to 100 hours or continuous operation
Control:	Microprocessor with 99 memory capacity
Capacity:	4 Samples
Voltage range:	220/240V, 50/60Hz (Optional transformer for 110/120V)
Power:	950W
Size (HxWxD):	40.1 x 56.4 x 63.9cm
Weight:	72.5kg