

# Seta Oil Test Centrifuge

## Oil Test Centrifuge for Sediment and Water

ASTM D91; D893; D1290; D1796; D2273; D2709; D2711; D4007;  
ISO 3734: 9030

- 4 or 6 place swing out rotor
- Static, near vertical bucket positioning
- Specifically designed for testing oils
- Heated chamber, ambient to 80 °C
- Pre-heat facility to ensure bowl is at test temperature prior to test
- Universal buckets for 12.5 ml, 6 and 8 inch glassware
- Microprocessor control with 99 memories
- Optional trolley



- Crude Oil •

## Principles of operation

The Seta Oil Test Centrifuge has a four or six place swing out rotor and universal bucket assembly which accommodates low cost adaptors and cushions suitable for borosilicate glass centrifuge tubes of the types specified for oil testing: Conical (6 or 8 inch), Trace Sediment (8 inch), Pear-shaped (8 inch or 12.5 ml).

To reduce errors in measurement of tube content the Centrifuge has a purpose-made, large dimension heated bowl. This allows the special dimension test tubes (as required by relevant methods) to return to the near upright position following rotation.

The Centrifuge has a hinged lid that opens to the fully upright position which allows easy loading/unloading of tubes and access for cleaning the instrument between tests.

Speed, temperature, and timing are microprocessor controlled. The run parameters are entered via a liquid proof 'touch panel' and digital displays.

## Precise heating for accurate results:

The Seta Oil Test Centrifuge incorporates isothermal heaters which are fitted internally to the centrifuge chamber giving precise temperature control to within  $\pm 1^\circ\text{C}$  as required by the test methods.

A controlled isothermal band heater holds the sample temperature between  $30$  and  $80^\circ\text{C}$ , 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.

Speed can be specified and measured in either RPM (rotational speed) or RCF (relative centrifugal force) mode. 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 and users can store up to 99 run profiles in the memory.



## Centrifuge tubes:

- 100 ml Long & Short Cone, Trace Sediment, and 12.5 ml Finger Tubes
- Manufactured in strict compliance to test methods
- Permanently etched graduations



## Ordering Information

90000-3:	4-Place Centrifuge
90100-0:	6-Place Centrifuge
90014-0:	Low Level Centrifuge Trolley
90015-0:	High Level Centrifuge Trolley

## Specifications:

Maximum RCF:	2210
Maximum RPM:	3000
Temperature range:	$20$ to $80^\circ\text{C}$ ( $\pm 1^\circ\text{C}$ ) ( $86$ to $176^\circ\text{F}$ )
Power Requirement:	230 Vac (110 V transformer option) 50/60 Hz / 1 kW
Size (HxWxD) / Weight:	410 x 560 x 640 mm / 72.5 kg