

ANALEX_{RPD}

Rotary Particle Depositor

The RPD Particle Depositor offers a rapid and simple method of debris separation. A measured volume of sample is applied, by pipette, to a glass substrate located on a rotating magnet assembly. Particles of debris are deposited radially as three concentric rings by the combined effects of rotational, magnetic and gravitational forces.

Removal of the lubricant by solvent washing and drying gives a stable well-separated deposit pattern ready for examination by optical or electron microscope. The 'Guide to Wear Particle Recognition', which is supplied with the RPD, provides users with an indication of the type of wear taking place by observation of the distinctive features or compositional aspects of the debris being produced. The separated debris can also be measured quantitatively by placing the substrate in an Analex PQ Ferrous Debris Monitor.

Features

- ▶ Simple method of both ferrous & non-ferrous metallic debris separation, enabling you to effectively analyse the results of your oil sample.
- ▶ Suitable for lubricating oils, hydraulic fluids and greases.
- ▶ Supplied complete with a comprehensive 'Guide to Wear Particle Recognition'.
- ▶ Excellent particle separation - deposition path length is equivalent to a linear 160mm.
- ▶ The separated debris can also be measured quantitatively by placing the substrate in an Analex PQ Ferrous Debris Monitor.



The ANALEX_{RPD} is quick & easy to operate - typically one sample per 6 minutes. Sampling costs are low - the equipment uses untreated glass slides and inexpensive solvents. In addition, dilution or any special treatment of the oil sample is rarely required.



Ferroglyphy

The RPD combines magnetic and centrifugal separation. The instrument is faster than other recognised ferroglyph techniques and does not require the sample to be diluted and does not suffer from interference due to carbonaceous material in the sample. Particles of debris are deposited radially as three concentric rings. There is no particle deformation and a wide particle size range - typically 1 to 2000 microns.



Product Code:	FG-K15003-KW
Rotational speed:	0-200 rpm (4 preset speeds)
Operating Temp. Range:	10°C - 30°C
AC power input:	115 / 230 V +/-10%
Supply frequency range:	47 to 63 Hz
Power consumption:	75 watts
Electrical connection:	IEC 6A 3-pin connector
Serial connector:	9-pin D (male plug required)
Display:	Backlit alphanumeric LCD
Dimensions:	360 x 360 x 450 mm
Weight:	5.5 kgs

Kittiwake Developments Ltd
3 - 6 Thorgate Road, Littlehampton,
West Sussex, BN17 7LU, UK.
Tel: + 44 (0) 1903 731470
Fax: + 44 (0) 1903 731480
Email: sales@kittiwake.com
Web: www.kittiwake.com



INVESTOR IN PEOPLE

Kittiwake
Measuring, Monitoring & Managing