

Product Final Inspection & Electrical Safety Report

THE *Clifton* RANGE

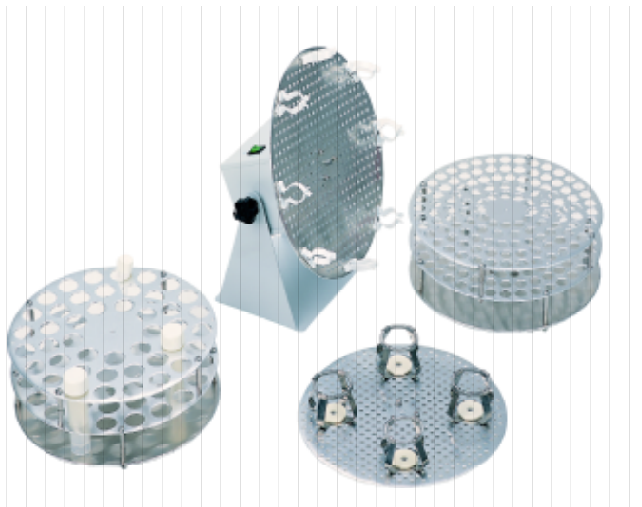
Rotary Mixer, RM-1

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Declaration of Conformity

	Declaration
Manufacturer	Nickel-Electro Ltd
Declares the product:	RM range
Conforms, Product Standards:	Low Voltage Directive (73/23/EEC) BSEN61010:1:1993 BSEN61010:2.010:1995 Safety requirements for electrical equipment for measurement, control and laboratory use. EMC Directive (89/336/EEC) BSEN61326:1997 Electrical equipment for measurement control and laboratory use - EMC requirements.



Rotator for general mixing use

- Angle of the mixing disc is fully adjustable.
- The degree of mixing can be varied from horizontal to vertical
- Wide range of accessory discs suiting micro tube, tube or flask mixing.
- Suitable for continuous mixing

Cat No.	RM-1
Overall Dims, mm	200w x 250d x 175h
Overall speed	30rpm
Voltage	230V 50-60Hz
Weight	3kg

About this Manual

This user Manual contains instructions which must be followed in order that the product is operated correctly.

General Notes

1. Always follow good laboratory practice by ensuring substances being mixed there is no risk of a hazard (explosion, implosion or release of toxic or flammable gases) or that these have been addressed.
2. If this product is not used in accordance with these instructions, then basic safety protection afforded by the unit may be affected.
3. The mains supply cord fitted to this products is a heat resistant type and should be replaced by an equivalent type.
4. Overvoltage category II (IEC 644)
5. Pollution Degree 2 (IEC 644).
5. It is recommended the units are connected to the mains supply with RCD protection.
6. Before using any cleaning or decontamination method except those recommended, check with your distributor that the proposed method will not damage the equipment.

Amendments

Issue 1	Mar	1998	Initial issue instruc. CE approved.
Issue 2	Sep	2001	Layout and text updates
Issue 3	Aug	2002	Update on accessories, add carousel.

Symbols/Symbole/Simboli/Symboles/Símbolos



Caution refer to Instructions
 Vorsicht! – siehe Anleitung.
 Attenzione, fare riferimento al manuale.
 Attention, se reporter aux instructions.
 Precaución, consultar las instrucciones.



Protective earth conductor terminal.
 Schutzleiterklemme
 Morsettiera conduttore di massa.
 Borne de conducteur de protection par mise à la terre.

Location

The product must be placed on a smooth, level and sturdy work surface and used indoors. Use in a ventilated room. Suitable for use in ambient temperatures 5°C to 40°C with a maximum humidity 80% (temperature 31°C) decreasing to 50% (temperature 40°C). Mains voltage fluctuations are not to exceed ±10% of the nominal supply. The product is designed for laboratory use.

Unpacking

Remove the product from its packaging. Any damage please notify your dealer immediately. Retain the packaging over the warranty period.

Safety



**Do not touch any electrical contacts or open any closure panels.
RISK OF ELECTRICAL SHOCK!**

Power supply - lead and connection electrical supply

Before connecting the unit to the to main electrical supply, check the voltage and frequency information on the rating label matches the supply you have available.



Before connecting the product to the electrical supply, check the information on the rating label is compatible. IF IN DOUBT CONSULT AN ELECTRICIAN. THE PRODUCT MUST BE EARTHED!

Where the mains supply or plug connection differs refer to local regulations or qualified electrician.

Operating Instructions



1. **Mains switch** - switch the unit 'ON' (I), mains switch located to rear unit adjacent to the power entry socket.

These operating instructions deal with basic operation of the Rotary Mixer.

Before fitting tubes into the Rotating disc, depress the mains switch to OFF "O".

The Rotating disc accessories can be adjusted to any angle from a vertical to horizontal rotation by undoing the thumb wheels on each side of the mixers case. Once the desired angle of rotation is set tighten both thumb wheels and depress the mains switch to ON "I".

The unit is designed for continuous operation at 30rpm.

Accessories

End to end mixing

Catalogue No.	Description
RMD024	24 clip disc for tube dia. 8-11mm
RMD012	12 clip disc for tube dia. 15-17mm
RMD006	6 clip disc for tube dia. 27-30mm

Clips are supplied with fixings ready for assembly onto the Mixing Disc.

Tumbling mixing

Catalogue No.	Description
RMD016	Carousel for tubes up to 16mm dia.
RMD025	Carousel for tubes up to 25mm dia.

Three layered mixing disc supplied complete ready for tube mixing.

Flask mixing

Catalogue No.	Description
RMD-1	Mixing disc
FC0025	25ml Flask Clip
FC0050	50ml Flask Clip
FC0100	100ml Flask Clip
FC0250	250ml Flask Clip

With the perforated Mixing Disc it is possible to 'mix and match' a variety of Flask clips to suit different applications. Clips are supplied with all necessary fixings to enable them to be attached to the Mixing Disc.

Warranty

The Cyclone is covered by a 3 Year Warranty. In case of a problem contact your dealer for advice.

Portable Appliance Testing



Where PAT testing is to be completed for future on this product ensure it is conducted by a qualified person and **must not be FLASH tested.**