

CIRCULAR SAMPLE CUTTER

Operating manual

SAFETY INSTRUCTIONS

Due to the potential hazards associated with any electrical instrument it is important that the user is familiar with the instructions covering the capabilities, and the operation of the instrument. The user should ensure that all reasonable safety precautions are followed and if in any doubt should seek professional advice before proceeding.

The instrument is designed for use by suitably trained, competent personnel in a controlled working environment and is intended for use as a universal wear tester only.

The instrument contains moving parts and while all reasonable steps have been taken to protect personnel associated with these moving parts, incorrect or mis-use of the instrument could result in injury.

Consideration should be given to the nature of these moving parts before setting up the instrument.

The instrument is intended to be used in a residential, commercial and light industrial environment as laid down in EN 50081-1.

WARNING

This unit contains moving parts and hazardous live voltages. Under no circumstance should the user try to prevent or restrict the movement of parts or gain access to the internal circuitry, either personally or with the aid of foreign bodies.

All ventilation slots must be kept clear.

PROVISION FOR LIFTING AND CARRYING

When unpacking or moving this unit extreme care is required, owing to its physical construction and weight.

It is recommended that accepted lifting and carrying procedures are employed and that personnel wear the appropriate protective equipment e.g. safety shoes.

If the unit is to be moved an appreciable distance/height it is recommended that it is moved via a suitable vehicle e.g. a fork lift truck.

SECTION 1 INTRODUCTION

- The instrument is designed to rapidly and accurately cut circular specimens of a particular fixed area or diameter, from nearly any type of material, including woven, non-woven and knitted textiles, carpet, film, foam. Paper and board
- Each cutter is supplied complete with, one set of blades(fitted)and one spare set.

SECTION 2 USE OF THE CUTTER

- Place the sample on the cutting board making sure that it is flat and smooth, do not stretch it.
- Place the cutter on the sample and release the safety catch, this is done by withdrawing the head of the catch, turning it through 90 degrees and locating the pin in the two recesses, this allows the blades to become operational.
- Whilst holding the cutter with one hand, apply pressure to the handle and rotate through at least 90 degrees, it may be necessary to turn further for certain materials.

- Re-lock the safety catch and remove the cutter.
- For determination of weight per unit area, weigh the specimen to 0.01g or 0.0001 oz.

Fig.1

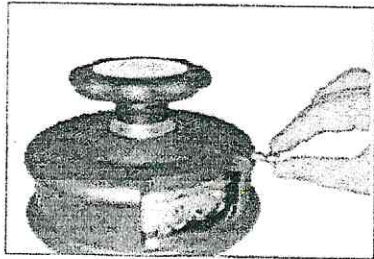


Fig.2

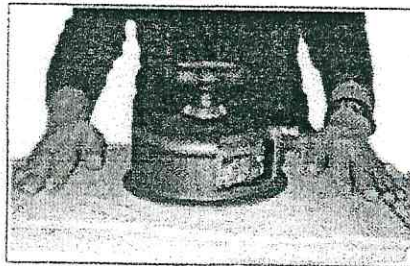
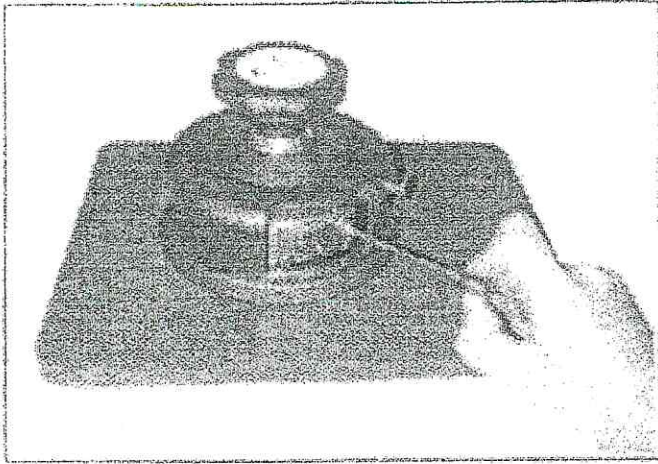


Fig.3



SECTION 3 CHANGING THE BLADES

- Make sure that the safety catch is locked.
- Loosen the blade retaining screws to allow the blade retaining plates to be removed , then either turn or replace the blades.
- Replace the blade retaining plates and tighten the screws.
- Repeat this procedure for each blade.
- Note that blades may be rotated until all cutting corners have been used.



SECTION 4 ACCESSORIES

- 1. Cutting map (1pcs)
- 2. Spare blades (4pcs)

