

Operating instructions for specimen cutter PS

Purpose and application:

The specimen cutter is used to produce accurate round specimens for determining the mass per unit area.

Device description:

The blade holder, to which 2 to 4 cutting blades are attached by means of blade holders, depending on the size

is rotatably mounted in a housing. In the blade holder is the pressure plate, which holds the specimen flat on the base during cutting.

A locking pin (index pin) is attached to the side of the housing, which secures the knife holder in the housing when not in use.

the knife holder in the housing when not in use. The handle mounted on the unit is used to rotate the blade holder during cutting.

To protect the blades, a cutting pad must be used when preparing specimens. use.

Operation:

Place the specimen on a clean and undamaged cutting mat and place the

Place the specimen cutter on it. Hold the housing with one hand and at the same time

press down on the specimen. With the other hand, pull out and rotate the index pin by

by 90° to unlock the index pin. To cut out the specimen, hold the handle with clockwise while simultaneously increasing the pressure. This produces a pulling cut and the specimen and the specimen is cut out cleanly.

Blade change PS-10 to PS-25 cm² and ø 35 to ø60 mm:

To change the blades, loosen the two threaded pins on the side of the upper part of the housing.

with the Allen key SW 1.5 mm provided. The index pin

remains engaged. The lower part of the housing can now be removed by turning it slightly.

removed by turning it slightly. After loosening the retaining screws, push the blade holder upwards and remove it.

upwards and remove it. Remove the damaged blade and replace it with an original blade 0.1 mm.

Replace the blade holder, slide it down and tighten it.

screw tight. Then connect the upper and lower parts of the housing by twisting them slightly as far as they will go.

and slightly tighten the threaded pins on the sides.

Blade change PS \varnothing 61 mm to \varnothing 240 mm:

The housings of these sizes have a side opening which allows the blade to be changed without further dismantling of the unit.

without further disassembly of the unit. Turn the blade holder so that a blade blade holder is visible in the opening. Now loosen the two retaining screws, but do not unscrew them but do not unscrew them completely. Slide the blade holder upwards and remove it.

remove the damaged blade and replace it with an original 0.1 mm blade.

with an original blade. Replace the blade holder, slide it down and screw it tight.

Replace the remaining damaged blades in the same way.

Blade replacement for specimen cutters with deep and extra deep cut:

Please proceed in the same way as described above. However, you must use the special blades with a thickness of 0.15 mm must be used.e of 0.1 mm thickness.
thick



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