



REF. 1117 MICROMETER ADJUSTABLE FILM APPLICATOR



Wet film applicator with two built-in metric micrometer heads for adjusting the knife blade so that clearances of the blade can be accurately set from 0-8mm in 10 micron (0.01 mm) increments.

The applicator consists of:

- A special anodized aluminium frame to guide the knife blade. The frame has two end sections which serve as hand grips for the operator when drawing down wet films.
- A STAINLESS STEEL knife blade with a precision ground edge. The blade slides in slots in the end sections which allows vertical adjustments of the blade.
- Two springs attached to the knife-blade and top plate. These exert an upward pressure on the blade and maintain it in contact against the two micrometer spindles to retain gap settings of the blade.
- Two precision made micrometer heads that can easily be set to give film thickness from 0-8mm in increments of 10 microns. The accuracy of the micrometer heads is ± 2 microns.
- Imperial micrometer heads are available if required.
- Complies with ASTM D 823 Practice E

REF. 1117 MICROMETER ADJUSTABLE FILM APPLICATOR

METHOD OF USE:

Wet films of uniform thickness can be produced with the knife blade set for the desired thickness.

1. Place applicator at upper end of test panel.
2. Pour coating sample directly in front of knife-blade.
3. Draw applicator slowly towards the lower end of test panel.
4. Clean applicator with appropriate solvent immediately after use.

CALIBRATION

Before use check the zero settings of the micrometer heads as follows:

Place applicator on a polished plate glass of suitable size. Set micrometer heads to zero. When the applicator is placed between the observer and a bright light the blade should touch the glass from end to end and not lift the end section. The zero point should check within ± 1 division of the micrometer - this is set at manufacture.

If applicator does not zero and resettings are required proceed as follows:

Set the micrometer heads to zero, loosen the micrometer clamp set screws, press the knife-blade down onto the glass plate, press down the micrometer heads until their spindles are contacting the blade and then tighten the micrometer clamp screws.

MICROMETER ADJUSTABLE FILM APPLICATORS are available in the following standard sizes:

Ref No.

1117 -100	100mm (4" approx)
1117 -150	150mm (6" approx)
1117 -200	200mm (8" approx)
1117 -250	250mm (10" approx)
1117 -300	300mm (12" approx)

OTHER FILM WIDTHS AVAILABLE ON REQUEST.

Owing to continuous development, we reserve the right to introduce improvements and modify specifications without prior notice.

Sheen Instruments Ltd

Unit 4, St. Georges Ind. Est., Richmond Road, Kingston, KT2 5BQ England.

Tel: 020 8541 4333 Fax: 020 8549 3374 Intl.Tel: 44 20 8541 4333 Intl.Fax: 44 20 8549 3374