

NATIONAL PHYSICAL LABORATORY

METROLOGY CENTRE

Ref: **MOY/SCMI/2B** **SPECIFICATION OF ACCURACY**
(Issue 2)
for
A COINCIDENCE OCULAR

Designed by: Optical Measuring Tools Ltd. for use on the OMT Toolmaker's Microscope.
(see MOY/SCMI/2)

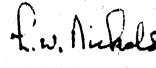
LIMITING VALUE OR
MAXIMUM
PERMISSIBLE ERROR

1. GENERAL

- 1.1 The ocular shall fit the instrument satisfactorily.
- 1.2 When the images are coincident they shall be placed approximately in the centre of the field of view.
- 1.3 The attachment shall be marked with an identification number and with the maker's name or trade mark.

2. ACCURACY

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|-----|--|---|
| 2.1 | When the ocular is set to view a straightedge the two images shall be mutually parallel. | 0.008 mm (0.0003 in) as measured on the micrometers of the associated Toolmaker's Microscope. |
| 2.2 | It shall be possible by employment of the ocular on the associated Toolmaker's Microscope to measure the known separation between the centres of two holes, nominally approximately 3 mm (1/8 in) in dia. with a centre separation of about 12mm (1/2 in) to an accuracy | ± 0.005 mm (± 0.0002 in) |

(Signed) 
for Director

June 1967
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