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MODEL 8400-0 OPTICAL MICROMETER CALIBRATION PROCEDURE

JCC-D12 REV B MAY 2014

Part No:8400-0Part Name:Micrometer, OpticalMnfr:J Chadwick Co

Mnfr Stated Accuracy: +/- 0.001" Mnfr Recommended Calibration Cycle: 1 Year

A. EQUIPMENT

Gage blocks, calibrated and traceable to NIST. Sizes: 0.0625, 0.1000", 0.1250", 0.2000"

B. INSTRUCTIONS

1. Wring 0.1000" and 0.0625" gage blocks together by sliding one block lengthwise across the top of another (a) creating a step with the 0.1000" gage block on the bottom (b).



2. Place micrometer over the step created by the two blocks (c). Position so approximately one-half of the field of view is on the upper block



- 3. Focus on the top surface of the upper block.
- 3. Zero "0.0000" digital display.
- 4. Focus on lower block.
- 5. Read display; if equipment is functioning properly the display will show thickness of upper block.
- 6. Repeat steps 1-5, using the 0.1250" and 0.2000" as the upper block.

