



MODEL 8400-0 OPTICAL MICROMETER CALIBRATION PROCEDURE

JCC-D12 REV B MAY 2014

Part No: **8400-0**
Part Name: **Micrometer, Optical**
Mnfr: **J Chadwick Co**

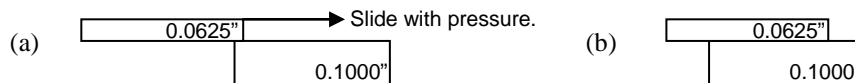
Mnfr Stated Accuracy: **+/- 0.001"**
Mnfr Recommended Calibration Cycle: **1 Year**

A. EQUIPMENT

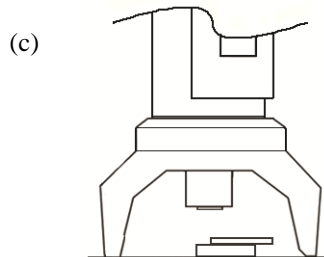
Gage blocks, calibrated and traceable to NIST.
Sizes: 0.0625, 0.1000", 0.1250", 0.2000"

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.



JOHN CHADWICK CORPORATION
J CHADWICK CO
1005 S MOUNTAIN AVE. MONROVIA, CA 91016
TOLL FREE (866) 358-9955
TEL (626) 358-9955 FAX (626) 358-1448
www.jchadwickco.com