

**Earl Dudley Associates, Inc.**P.O. Box 320185 • Birmingham, Alabama 35232 205/595-3796  
5352 First Avenue North • Birmingham, Alabama 35212

CERTIFICATION (Level Rods)

Date 5 April 2001To Charley Foster and Associates, Inc.Purchase Order Number NonePart Name Leica GPCL3 Invar Bar Code 3 Meter RodsSerial Number(s) A 29793 B 29796 EDA Job No. X3252

We hereby certify that the above referenced equipment has been inspected and calibrated to be within manufacturer's specifications and by instruments whose basic accuracy is traceable to the National Institute of Standards and Technology (NIST), formally National Bureau of Standards (NBS) #738/234253/85. The serial numbers of Earl Dudley Associates, Inc. scales are #15276 with the National Institute of Standards and Technology (NIST).

The above level rod was checked from the steel base to the (1) meter mark, (2) meter mark and (3) meter mark only. All marks were found to be not more than  $\pm .002$  inch of their true position.

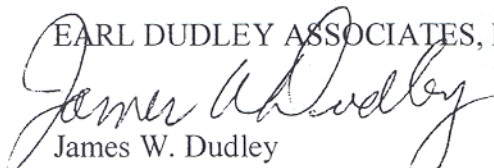
This level rod was calibrated while supported on a horizontal flat surface. The distance between the terminal points of the indicated intervals have the following lengths at 20° Celsius (68° Fahrenheit):

INTERVAL(meters)	LENGTH(meters)	INTERVAL(meters)	LENGTH(meters)
A. Serial Number	<u>29793</u> ✓	B. Serial Number	<u>29796</u> ✓
1.0	<u>0.99993</u>	1.0	<u>0.99991</u>
2.0	<u>1.99992</u>	2.0	<u>1.99989</u>
2.9	<u>2.89993</u>	2.9	<u>2.89992</u>

The indicated intervals are taken at the geometric center of the graduated line on the scale of the rod. The assumed thermal expansion of scale is (1 micron per 1 m. per 1° C) and (.0000055 inch per inch per 1° F). The exact relationship between the International System of units and the U S Customary units of length is one inch equals 0.0254 meter. Furthermore, all tests performed fully comply with the drawings and other equipment and/or specifications stipulated in the Purchase Order.

PLEASE NOTE: Normal field check procedures should be performed to assure that the instrument is holding the adjustments performed and that the instrument has not been damaged after calibration.

EARL DUDLEY ASSOCIATES, INC.



James W. Dudley  
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