

Model 791 Calibration Plate

(for Tiltmeters and Inclinometers)

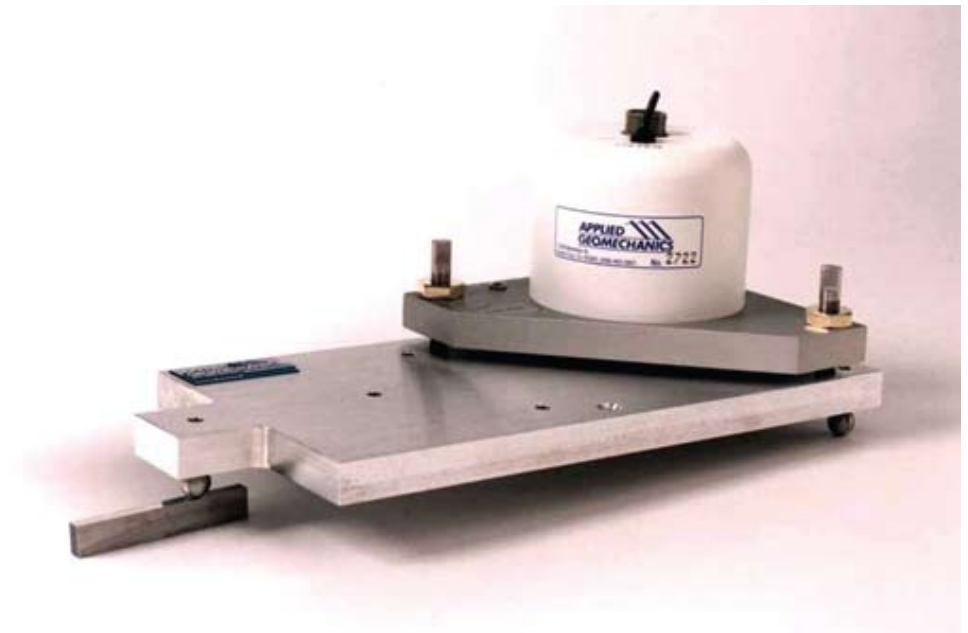
The portable Model 791 Calibration Plate is used to verify calibration of any gravity-referenced tiltmeter or inclinometer. NIST-

traceable gage blocks are placed under one end of the plate to rotate the tiltmeter through a series of known angles.



PORTABLE CALIBRATION PLATE FOR TILTMETERS AND INCLINOMETERS

The output of the tiltmeter at each angle is recorded and then compared to the angles established by the gage blocks. Data from the calibration procedure also can be used to determine the tiltmeter's linear "best fit" scale factor and polynomial calibration curve. The Calibration Plate contains threaded holes for attaching most Applied Geomechanics tiltmeters, tilt sensors, and clinometers.



Side View Model 711-2 Floor Mount Tiltmeter

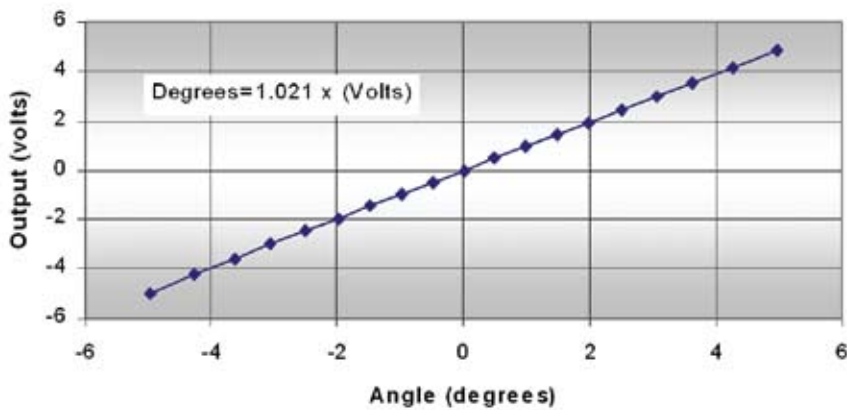
MODEL 791 CALIBRATION PLATE

MATERIALS Calibration Plate: 6061T6 aluminum
Contact Points: 3 hardened tool steel spherical balls, diameter = 0.5000 inch \pm 0.0002 inch (12.700 \pm 0.005 mm)
Gage Blocks: Hardened tool steel

BASELINE, L 300.00 \pm 0.03 mm

GAGE BLOCK SIZES Part No. 00229-01: 10 blocks ranging from 1mm to 25mm for angles between 0.2 and 6 degrees.
Other sizes available on request.

SIZE & WEIGHT Calibration Plate: 13 x 6 x 1 in (330 x 152 x 25 mm), 3.6 lb (1.6 kg)
Part No. 00229-01 Gage Block Set: 2 lb (0.86 kg)



USEFUL ACCESSORIES:

00229-01 Rectangular Gage Block Set
80607 Vertical Bracket Kit for Wall Mount Tiltmeters
80608 Tilt Plate Kit for Model 800P Portable Tiltmeter

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