



Independent Quality Labs, Inc.
A Better Way to Achieve Tolerances

Certificate of Calibration

ANSI/ASME B5.54-1992

Model No: _____ Serial No: _____
Description: _____ Customer: _____

This certifies that the above product was calibrated in compliance with the ANSI/ASME B5.54-1992 Standard to the following limits:

Linear Displacement Range/Accuracy

X _____ Inches
Y _____ Inches
Z _____ Inches

Bi-directional Repeatability (Laser)

X _____ Inches
Y _____ Inches
Z _____ Inches

Maximum Reversal Error

X _____ Inches
Y _____ Inches
Z _____ Inches

Periodic Error

X _____ Inches
Y _____ Inches
Z _____ Inches

Diagonal Displacement Performance

XYZ _____

Maximum Diagonal Reversal Error

XYZ _____

Telescoping Ball Bar Performance

Ball Bar Length: _____ Inches

Ball Bar Performance: _____

10% max. feed

XY Plane: _____ Inches
YZ Plane: _____ Inches
ZX Plane: _____ Inches

80% max. feed

XY Plane: _____ Inches
YZ Plane: _____ Inches
ZX Plane: _____ Inches

Environment

Material Temperature: _____ °F
Expansion Coefficient: _____ PPM

Air Temperature: _____ °F

At planned intervals, IQL measurement standards are calibrated by comparison to or measurement against national standards, natural physical constants, consensus standards, or by ratio type measurements using self-calibrating techniques. National standards are administered by NIST (National Institute of Standards and Technology) or other recognized national standards laboratories. Supporting documentation relative to traceability is on file and is available for examination upon request.

The ML10 Laser calibration interval is 36 months. Based on this interval, the IQL ML10 Laser with serial number _____ is due for calibration on ____/____/____.

The EC10 Environmental Compensation Unit calibration interval is 12 months. Based on this interval, the IQL EC10 Unit with serial number _____ is due for calibration on ____/____/____.

Calibration Date: ____/____/____

Certificate No: _____ C _____

_____ IQL

NA = Not Applicable NP = Not Performed

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