



Instron® Corporation
825 University Avenue ■ Norwood, MA 02062-2643
Tel: +1-781-828-2500 ■ Fax: +1-781-575-5750

www.instron.com

Certificate of Conformance – Bluehill 3® Calculation Test Suite

Dear Instron Customer,

The Bluehill 3 Standard Calculation Test Suite compares results from the software under test with expected results using known data sets as input. The expected results are determined using a variety of independent methods including MathCad, Excel, hand calculation and visual inspection.

The following calculation algorithms are included in the Bluehill 3 calculation test suite:

Absolute Peak

- Maximum
- Minimum

Average Value

- Integral
- Peaks
- Peaks and Troughs
- Regions
- Troughs

Break

- % Maximum Load
- Load
- Load/Displacement
- Load/Strain
- Standard Coefficient of Friction Creep/Relaxation
- Delta Creep
- Delta Relaxation
- Total Creep
- Total Relaxation

First Peak

Hold Preset Point

Local Peak

- Maximum
- Minimum Preset Point Modulus
- Automatic
- Chord
- Secant
- Segment
- Tangent
- Young's

Slack Correction

- Automatic
- Channel
- Young's User Calculation Yield
- Lower
- Offset
- Slope Threshold
- Zero Slope

Sincerely,

A handwritten signature in black ink that reads "Todd M. Dean".

Todd M. Dean
Software Quality Assurance Manager

February 18, 2011

The difference is measurable™