

The Instron® 3300 Series addresses the needs of standardized and routine testing, providing the user Instron quality at the most affordable price. The 3382 floor model testing system is suited for tension, compression, peel, flex, and other applications with load requirements that require testing up to 100 kN (22,400 lbf). It is typically used for heavy-duty quality control and production testing.

Instron Quality at an Affordable Price

Our attention to every element of the system is what separates Instron from other testing equipment suppliers and allows us to confidently report the accuracy, repeatability, and reproducibility of our results.

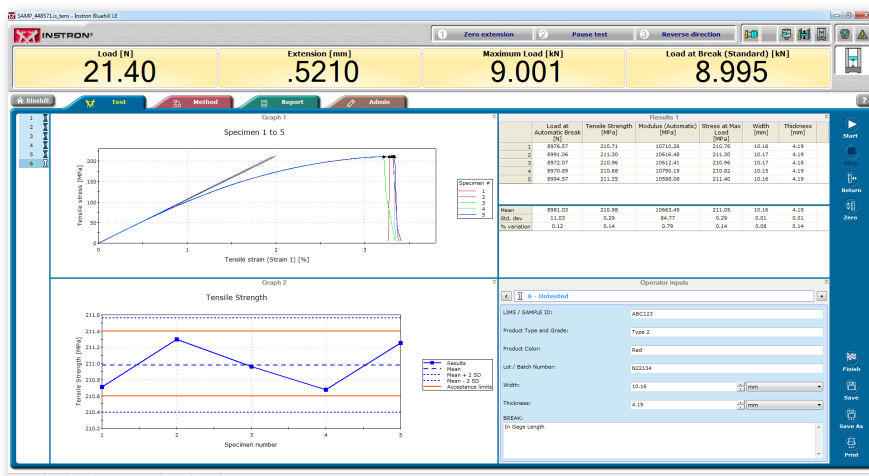
- Automatic recognition and calibration of load and strain transducers and verification performed by factory-trained field service engineers
- Preloaded ballscrews, precision guidance columns, and a symmetrical drive system improves frame stiffness and alignment
- Extensive range of accessories to meet test requirements in almost any application or industry: plastics, metals, biomedical, composites, elastomers, components, automotive, aerospace, textiles, and more
- Self-diagnostics expedite troubleshooting and minimize downtime
- All testing systems include choice of load cell
- Full one-year warranty on parts and labor

Start Testing in Two Steps: Open a Method, Press Start

With multiple operators, varying skill levels, and continuous training needs, you need a user interface that is simple to learn. Instron Bluehill® Software is designed to meet the demands of everyday applications and testing standards used in a wide variety of industries. Bluehill provides all the capabilities you need to handle basic tensile, compression, flexure, peel, tear, friction, and simple cyclic test requirements quickly and efficiently. Tests are started with just two steps and test control, data acquisition, plotting, calculations, and reporting are performed automatically. To further assist the operator, the Prompted Method guides operators through repetitive test procedures with step-by-step instructions.



*System Shown with Optional Safety Shield



Typical Bluehill® Test Screen

Specifications

3382

Load Capacity	kN	100
	kgf	10,000
	lbf	22,500
Maximum Speed	mm/min	500
	in/min	20
Minimum Speed	mm/min	0.005
	in/min	0.0002
Maximum Force at Full Speed	kN	50
	lb	11,250
Maximum Speed at Full Load	mm/min	250
	in/min	10
Return Speed	mm/min	600
	in/min	24
Total Crosshead Travel	mm	1,235
	in	48.5
Total Vertical Test Space	mm	1,323
	in	51.3
Space Between Columns	mm	575
	in	22.6
Height	mm	2,393
	in	94.2
Width	mm	1,124
	in	44.3
Depth	mm	779
	in	30.7
Weight with Typical Load Cell	kg	766
	lb	1,690
Maximum Power Requirement	VA	1,500
Single Phase Voltage	VAC	100
		120
		220
		230
		240

Common Specifications

Load Measurement Accuracy:

±0.5% of reading down to 1/200 of load cell capacity.
±1% of reading from 1/200 to 1/500 of the load cell capacity. Meets or exceeds ASTM E4, BS 1610, DIN 51221, ISO 7500/1, EN 10002-2, JIS B7721, JIS B7733, and AFNOR A03-501 standards.

Strain Accuracy:

Meets or surpasses the following standards:
ASTM E83, ISO 9513, and EN 10002-4.

Crosshead Speed Accuracy (Zero or constant load):

±0.2% of set speed

Single Phase Voltage:

100, 120, 220, 230, or 240 VAC ±10%,
47 to 63 Hz. Power supply must be free of spikes,
surges or sags exceeding 10% of the average voltage.

Operating Temperature:

+10 to +38°C (+50 to +100°F)

Storage Temperature:

-40 to +66°C (-40 to +150°F)

Humidity Range:

+10 to +90%, non-condensing

Atmosphere:

Designed for use under normal laboratory conditions.
Protective measures may be required if excessive
dust, corrosive fumes, electromagnetic fields, or
hazardous conditions are encountered.

Notes:

1. All systems conform to all relevant European standards and carry a CE mark.
2. Total vertical test space on all systems is the distance from the top surface of the base platen to the bottom surface of the moving crosshead, excluding load cell, grips, and fixtures.

The above specifications were developed in accordance with Instron's standard procedures and are subject to change without notice.

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