



3300 Series Table Models

Affordable Solutions for Material Testing

Today's testing laboratories and manufacturers have a wide range of material and component testing needs that range from simple standardized testing to advanced research applications. To meet these varying requirements, Instron® has different configurations of instruments to ensure the right solution to the testing application. Instron's 3300 series has been developed to address the needs of standardized and routine testing providing the user Instron quality at the most affordable price.

Simple

- Instron Series IX™/s software allows fast set-up and remarkable ease-of-use
- Automatic recognition and calibration of load and strain transducers
- Extended ranging conditioners eliminating operator intervention
- Column covers with t-slots for simple and convenient attachment of accessories

Affordable

- All test systems includes Series IX/s software and choice of load cell
- Instron quality and reliability means reduced operation costs
- System self-diagnostics to expedite trouble shooting and minimize downtime
- Compatibility with most existing Instron grips, fixtures and extensometers in your lab

Instron Quality

- High torque DC motor with closed-loop digital position control
- No clutch design for better reliability and reduced parts count
- Ball screw covers for longer life and greater operator protection
- Pre-loaded ball screws
- Full one year parts and labor warranty

Software for Standardized Testing

Each 3300 test system includes Instron's Series IX/s software package at no additional charge. Series IX/s, one of the world's most widely recognized materials test programs is ideal for standardized tests. Series IX/s, in one integrated software package, provides data acquisition, control, data analysis and report generation functionality for tensile, compression, flexure, friction and peel/ tear testing. To run a test, an operator simply selects a test method from a library that includes many standardized methods and the 3300 system is ready to test.

After each test, Series IX/s calculates the results that you have selected from a library of standard calculations including, yield, modulus, maximum load, break load and many others. When the last specimen in a sample/ batch has been tested, Series IX/s automatically prints a test results report and generates a test results data file.

For those applications not addressed by Series IX/s, Instron's Merlin™ advanced materials software is available as an option.



▲ Instron model 3369, in cobalt blue, configured for ASTM D 638, performing a plastic tensile test

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Specifications

Model Number		3365	3366	3367	3369
Load capacity	kN	5	10	30	50
	kgf	500	1000	3000	5000
	lbf	1125	2250	6750	11250
Maximum speed	mm/min	1000	500	500	500
	in/min	40	20	20	20
Minimum speed	mm/min	0.01	0.005	0.005	0.005
	in/min	0.0004	0.0002	0.0002	0.0002
Maximum force at full speed	kN	5	10	15	25
	lb	1125	2250	3375	5620
Maximum speed at full load	mm/min	1000	500	250	250
	in/min	40	20	10	10
Return speed	mm/min	1200	600	600	500
	in/min	48	24	24	20
Total crosshead travel	mm	1122	1122	1122	1122
	in	44.2	44.2	44.2	44.2
Total vertical test space	mm	1193	1193	1193	1193
	in	47	47	47	47
Space between columns	mm	420	420	420	420
	in	16.5	16.5	16.5	16.5
Height	mm	1582	1582	1582	1582
	in	62.3	62.3	62.3	62.3
Width	mm	756	756	756	756
	in	29.8	29.8	29.8	29.8
Depth	mm	707	707	707	707
	in	27.8	27.8	27.8	27.8
Weight with typical load cell	kg	110	110	121	141
	lb	242	242	266	312
Maximum power requirement	VA	300	300	600	700



▲ Series IX™/s run-time screen

Common Specifications

Load Measurement Accuracy

±0.5% of reading down to 1/100 of load cell capacity. Meets or exceeds ASTM E 4, BS 1610, DIN 51221, ISO 7500/1, EN 10002-2, JIS B7721, JIS B7733 and AFNOR A03-501 standards.

Strain Measurement Accuracy:

±0.5% of reading down to 1/100 of full scale with ASTM E 83 class B or ISO 9513 class 0.5 extensometer. Meets or exceeds ASTM E 83, BS 3846, ISO 9513 and EN 10002-4 standards.

Crosshead Speed Accuracy (Zero or Constant Load)

±0.2% of set speed

Power Supply

47 Hz to 63 Hz. Must be free of spikes, surges or sags exceeding 10% of the nominal voltage.

Operating Temperature

+10 °C to +38 °C (+50 °F to +100 °F)

Storage Temperature

-40 °C to +66 °C (-40 °F 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. These systems conform to all relevant European standards and carry a CE mark.
2. Total vertical test space 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.

Four Color Options

- Charcoal gray
- Magenta red
- Cobalt blue
- Teal green



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