INSTRON®

The difference is measurable®

3360 Series | Dual Column Tabletop Models

The Instron® 3300 Series of mechanical testing systems provide simplicity, performance, and the highest level of quality needed for QC labs and production testing. 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. From routine, standardized QC tests to general purpose mechanical testing, the 3300 family is Instron's solution for everyday testing in the modern laboratory.

The 3360 Series dual column tabletop testing systems perform tensile, compression, and bend tests on products and materials such as elastomers, plastics, medical devices, rope, textiles, and automotive parts where maximum forces are less than 50 kN (11,250 lbf). Models are available with maximum force capacities of 5, 10, 30, and 50 kN.

Simplicity, Performance, and Instron Quality

- Meets or exceeds requirements of all national and international standards; namely ISO, ASTM, BS, DIN, EN, and AFNOR
- Thousands of accessories to meet test requirements in almost any application or industry: plastics, metals, biomedical, elastomers,components, automotive, textiles, and many more
- Supported by the largest global Service organization in the industry; delivering high-quality calibrations, training, preventative maintenance, and technical support
- The highest quality mechanical and electrical components ensure the maximum level of performance, producing the most accurate results

Bluehill® Universal and Instron Connect

Designed from the ground up for touch, Instron's static testing software, Bluehill Universal, is easy-to-use, increases testing efficiency, and contains modular features that enable users to run the most complex of tests.

With ISO 9001 accreditation, our goal is to provide the best ownership experience by delivering the highest quality products, expert support, and world-class service. Instron Connect provides users with a powerful communication platform via a secure connection between the Instron system at your facility and Instron's global technical support engineers. With Instron Connect, users receive faster remote technical support, reduce risk with schedule verification and preventive maintenance reminders, and are effortlessly able to keep up to date with the latest software features.

5kN 3365 tabletop system with Bluehill Universal

Products for Materials Testing

Specifications

		3365	3366	3367	3369
Force capacity[1]	kN	5	10	30	50
	lbf	1125	2250	6750	11250
Vertical Test Space[3]	mm	1193 (E1) 1708 (E2)	1193 (E1) 1708 (E2)	1193 (E1) 1708 (E2)	1193 (E1) 1708 (E2)
	in	47 (E1) 67.2 (E2)	47 (E1) 67.2 (E2)	47 (E1) 67.2 (E2)	47 (E1) 67.2 (E2)
Horizontal Test Space[4]	mm	420	420	420	420
	in	16.5	16.5	16.5	16.5
Testing Speed Range Min-Max (Return)	mm/min	0.01-1000 (1200)	0.005-500 (600)	0.005-500 (600)	0.005-500 (500)
	in/min	0.0004-40 (48)	0.0002-20 (24)	0.0002-20 (24)	0.0002-20 (20)
Position Control Resolution	nm	118	57	54	63
	µin	4.7	2.3	2.2	2.5
Frame Axial Stiffness	kN/mm	38	38	72	82
	lb/in	217000	217000	411100	468200
Maximum Force at Full Speed	kN	5	10	15	25
	lbf	1125	2250	3375	5625
Maximum Speed at Full Force	mm/min	1000	500	250	250
	in/min	40	20	10	10
Height	cm	159 (E1) 210 (E2)	159 (E1) 210 (E2)	159 (E1) 210 (E2)	159 (E1) 210 (E2)
	in	63 (E1) 83 (E2)	63 (E1) 83 (E2)	63 (E1) 83 (E2)	63 (E1) 83 (E2)
Width[5]	cm	76	76	76	76
	in	30	30	30	30
Depth	cm	71	71	71	71
	in	28	28	28	28
Weight	kg	110 (E1) 124 (E2)	110 (E1) 124 (E2)	121 (E1) 135 (E2)	141 (E1) 155 (E2)
	lbs	242 (E1) 273 (E2)	242 (E1) 273 (E2)	266 (E1) 297 (E2)	312 (E1) 343 (E2)
Maximum Power Requirement	VA	300	300	600	700

Common Specifications

Force 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 [1]

Displacement Measurement Accuracy:
±0.02 mm or 0.15% of displacement (whichever is greater)

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

Testing Speed Accuracy:
(Zero or constant load) ±0.2% of set speed

Data Acquisition Rate at the PC:
Up to 0.5 kHz simultaneous on force, displacement, and strain channels

Facility Requirements and Operating Environment

Single Phase Voltage:
100, 120, 220, 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. Meets or exceeds ASTM E4, BS 1610, DIN 51221, ISO 7500/1, EN 10002-2. JIS B7721, JIS B7733, and AFNOR A03-501 standards. Instron recommends that systems are verified on-site at the time of installation as required by ASTM E4 (par. 20.3) and ISO 7500-1 section 9) standards.
2. All systems conform to all relevant European standards and carry a CE mark.
3. 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.
4. Horizontal test space on dual column systems is the distance between the inside edge of the columns, and on single column systems the distance between the center of the load cell to the column.
5. This is the system footprint width. The Operator Dashboard monitor may add 300mm (12in) to the overall width of the frame.
6. These specifications were developed in accordance with Instron's standard procedures and are subject to change without notice.

INSTRON®

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