

MEDIUM FORCE FATIGUE TEST SYSTEM

BI-7020

The Bi-7020 Series servohydraulic test systems meet practically all the requirements of metals, composites and plastics testing for strength, durability and toughness. It is backed up with a wide choice of application software, transducers and accessories that satisfy most standard test practices

FEATURES

- Double-acting servo-hydraulic actuator with force capacity up to ± 600 kN (± 22 kip)
- High-stiffness, precision-aligned, self-reacting load frame with twin columns and actuator in lower base/top crosshead,
- Mechanical/hydraulic/pneumatic anti vibration pads
- Rated for operations up to 200Hz cyclic operations
- 150 mm (6 in) of usable stroke
- Choice of hydraulic configuration and dynamic performance to suit application
- Adjustable upper crosshead with hydraulic lifts and locks for easy adjustment of daylight
- Compatible with a large range of grips, fixtures, chambers, video extensometers, protective shields, and other accessories
- Touch screen/Operator control panel for basic machine operation viz., hydraulics on/off, low/high pressure, E-stop, actuator jogging up/down slow/fast, cross head height adjustment & lock/unlock, hydraulic grips operation etc.
- Intelli mount feature to protect the sample during test set-up. System works in stroke control mode to adjust the actuator to maintain load within a window specified by user at the time of specimen loading.

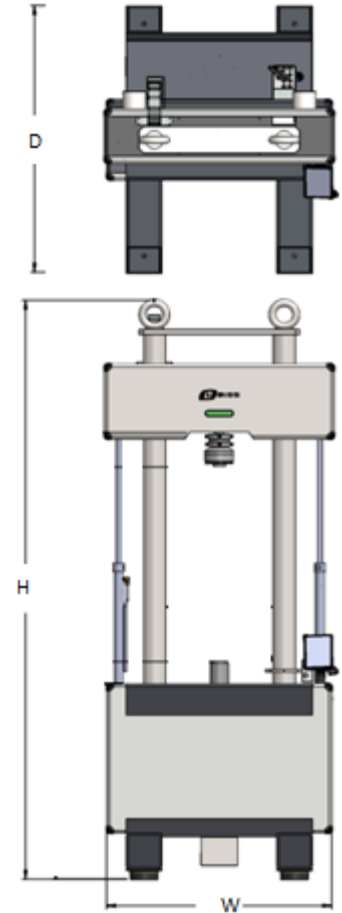
APPLICATIONS

- Tension/Compression/Flexural
- Ductile and brittle fracture
- Fatigue crack propagation
- Threshold stress intensity
- Low/High-Cycle Fatigue (LCF/HCF)
- Elastomer properties
- Corrosion fatigue
- Low and high temperature studies



SPECIFICATIONS

		BI-7021	BI-7022	BI-7023	BI-7024	BI-7025	BI-7026
Dynamic Load Capacity	kN	100	150	250	300	500	600
Total Actuator Stroke	mm	150					
No. of Columns		2					
Actuator Position		On Bottom Crosshead					
Frame Stiffness	MN/m	500			1000		
Loadcell Accuracy		±0.5% of reading down to 1/500 of load cell capacity					
*Cycling Frequency	Hz	0-100 Hz					
Column Clearance	mm	600					
*Daylight Opening	mm	1200					
Electric Supply		380/400/415 VAC, 3 Ph, 50/60 Hz					
System Dimensions H x W x D	mm	3100 x 1000 x 1065			3600 x 1000 x 1065		
Max. Frame Weight	kg	1085	1300	1690	1850	2120	2340



*Maximum Between Load Cell and Actuator at zero position

NOTE

Please refer to individual brochures for information on the selected power packs & accessories.
 Optional vertical & horizontal daylight openings are available up to 2500mm and 800mm respectively
 Custom configurations available
 CE certification on Demand
 Specifications are subject to change without prior notice

www.instron.com



Worldwide Headquarters
 825 university Ave, Norwood MA 02062 - 2643, USA
 Tel: +1 800 564 8378 or +1 781 575 5000

India Headquarters
 #497 E, 14th Cross, 4th Phase, Peenya Industrial Area,
 Bangalore - 560058, India.
 Tel: +91 80 283 60184 Fax: +91 80 283 60047

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