

L1 FORCE MEASUREMENT

BLC LOAD CELLS FOR L1 FORCE TESTING SYSTEMS



FORCE MEASUREMENT SOLUTIONS

The BLC Load Cell Sensors are designed exclusively for use with a Starrett L1 Force Testing System.

BLC Load Cell Sensors feature an S-beam, full-bridge design that deliver a reliable, repeatable measurement at an accuracy of 0.1% full scale. The sensors have a safe overload rating of 150%, and using the L1 software, can be scaled to help prevent accidental overloading.

The BLC Load Cells are IEEE 1451.4 compliant. When connected to the L1 test frame, the L1 system automatically recognizes the load sensor's characteristics, model number and serial number. The load cell is also constantly monitored for overloading and using our L1 software, you can view the overload history for the sensor.

The BLC Load Cells feature metric threads. The sensors are supplied with a quick-change clevis adapter. Clevis adapters are ideal for high-volume testing where there is a need to change test fixtures quickly and often.

All BLC Load Cells are supplied with a Certificate of Calibration.



ORDERING

BLC Series Models BLC

Model	Force Capacity			Full Scale Accuracy	Deflection (FS)		Safe Overload %	Width		Height		Thickness		Thread Size
	lbf	N	kgf		in	mm		in	mm	in	mm	in	mm	
BLC-2	2	10	1	0.10%	0.009	0.22	150	3	76.2	3	76.2	0.4	10.2	M6 x 1-6H
BLC-5	5	20	2	0.10%	0.008	0.21	150	3	76.2	3	76.2	0.4	10.2	M6 x 1-6H
BLC-10	10	50	5	0.10%	0.007	0.18	150	3	76.2	3	76.2	0.4	10.2	M6 x 1-6H
BLC-20	20	100	10	0.10%	0.007	0.18	150	2	50.8	2	76.2	1	25.4	M6 x 1-6H
BLC-50	50	250	25	0.10%	0.006	0.15	150	2	50.8	2	76.2	1	25.4	M6 x 1-6H
BLC-100	100	500	50	0.10%	0.003	0.08	150	2	50.8	2	76.2	1	25.4	M6 x 1-6H
BLC-200	200	1000	100	0.10%	0.003	0.08	150	2	50.8	2	76.2	1	25.4	M6 x 1-6H
BLC-500	500	2500	250	0.10%	0.005	0.13	150	2	50.8	2	76.2	1	25.4	M12 x 1.75-5H

Load cell resolution is 10,000 x 1

DIMENSIONS

