

Load Cell Sheet

Load Cell	Capacity (Max Load)			Safe Overload - % CAP	Min Load*			Measurement Accuracy (% Full Scale)	Full Scale Accuracy			
	N	lbf	kg		N	lbf	kg		N	lbf	kg	
Premium	FLC-05P	0.5	0.11	0.05	1000%	0.01	0.002	0.001	±0.1%	0.0005	0.0001	0.00005
	FLC-1P	1	0.22	0.1	1000%	0.02	0.004	0.002	±0.1%	0.001	0.0002	0.0001
	FLC-2P	2	0.45	0.2	1000%	0.04	0.009	0.004	±0.1%	0.002	0.0004	0.0002
	FLC-5P	5	1	0.5	1000%	0.1	0.02	0.01	±0.1%	0.005	0.001	0.0005
	FLC-10P	10	2	1	1000%	0.2	0.04	0.02	±0.1%	0.01	0.002	0.001
	FLC-25P	25	5	2.5	1000%	0.5	0.1	0.05	±0.1%	0.025	0.005	0.0025
	FLC-50P	50	11	5	1000%	1	0.22	0.1	±0.1%	0.05	0.011	0.005
	FLC-100P	100	22	10	1000%	2	0.44	0.2	±0.1%	0.1	0.022	0.01
FLC-250P	250	56	25	1000%	5	1.12	0.5	±0.1%	0.25	0.056	0.025	
Sealed	FLC-500	500	112	50	150%	10	2.24	1	±0.1%	0.5	0.112	0.05
	FLC-1000	1000	225	100	150%	20	4.5	2	±0.1%	1	0.225	0.1
	FLC-2KN	2000	450	200	150%	40	9	4	±0.1%	2	0.45	0.2
	FLC-2500	2500	562	250	150%	50	11.24	5	±0.1%	2.5	0.562	0.25
	FLC-5KN	5000	1125	500	150%	100	22.5	10	±0.1%	5	1.125	0.5
Economy	FLC-50E	50	11	5	150%	1	0.22	0.1	±0.1%	0.05	0.011	0.005
	FLC-100E	100	22	10	150%	2	0.44	0.2	±0.1%	0.1	0.022	0.01
	FLC-200E	200	44	20	150%	4	0.88	0.4	±0.1%	0.2	0.044	0.02
	FLC-500E	500	112	50	150%	10	2.24	1	±0.1%	0.5	0.112	0.05
	FLC-1000E	1000	225	100	150%	20	4.5	2	±0.1%	1	0.225	0.1
	FLC-2000E	2000	450	200	150%	40	9	4	±0.1%	2	0.45	0.2
	FLC-2500E	2500	562	250	150%	50	11.24	5	±0.1%	2.5	0.562	0.25
	FLC-5000E	5000	1124	500	150%	100	22.48	10	±0.1%	5	1.124	0.5
MLC - Eccentric Load Compensated	MLC-125	125	25	12.5	150%	2.5	0.5	0.25	±0.05%	0.0625	0.0125	0.00625
	MLC-250	250	50	25	150%	5	1	0.5	±0.05%	0.125	0.025	0.0125
	MLC-500	500	112	50	150%	10	2.24	1	±0.05%	0.25	0.056	0.025
	MLC-1000	1000	225	100	150%	20	4.5	2	±0.05%	0.5	0.1125	0.05
	MLC-1500	1500	300	150	150%	30	6	3	±0.05%	0.75	0.15	0.075
	MLC-2500	2500	562	250	150%	50	11.24	5	±0.05%	1.25	0.281	0.125
	MLC-5K	5000	1124	500	150%	100	22.48	10	±0.05%	2.5	0.562	0.25
	MLC-10K	10000	2240	1000	150%	200	44.8	20	±0.05%	5	1.12	0.5
	MLC-25K	25000	5600	2500	150%	500	112	50	±0.05%	12.5	2.8	1.25
	MLC-50K	50000	11200	5000	150%	1000	224	100	±0.05%	25	5.6	2.5
BLC - Basic Force Measurement S - Beam	BLC-2	10	2	1	150%	0.2	0.04	0.02	±0.1%	0.01	0.002	0.001
	BLC-5	20	5	2	150%	0.4	0.1	0.04	±0.1%	0.02	0.005	0.002
	BLC-10	50	10	5	150%	1	0.2	0.1	±0.1%	0.05	0.01	0.005
	BLC-20	100	20	10	150%	2	0.4	0.2	±0.1%	0.1	0.02	0.01
	BLC-50	250	50	25	150%	5	1	0.5	±0.1%	0.25	0.05	0.025
	BLC-100	500	100	50	150%	10	2	1	±0.1%	0.5	0.1	0.05
	BLC-200	1000	200	100	150%	20	4	2	±0.1%	1	0.2	0.1
	BLC-500	2500	500	250	150%	50	10	5	±0.1%	2.5	0.5	0.25

*Minimum effective load measurement per ASTM E4

	Load Cell	Full Scale Deflection		Height		Width		Thread
		mm	in	mm	in	mm	in	
Premium	FLC-05P			50.8	2.00	21.2	0.84	#4-40 UNC-3B
	FLC-1P			50.8	2.00	21.2	0.84	#4-40 UNC-3B
	FLC-2P			50.8	2.00	21.2	0.84	#4-40 UNC-3B
	FLC-5P	0.4	0.014	63	2.48	59.2	2.33	M6 x 1-6H
	FLC-10P	0.3	0.012	63	2.48	59.2	2.33	M6 x 1-6H
	FLC-25P	0.3	0.011	63	2.48	59.2	2.33	M6 x 1-6H
	FLC-50P	0.2	0.009	63	2.48	59.2	2.33	M6 x 1-6H
	FLC-100P	0.2	0.007	63	2.48	59.2	2.33	M6 x 1-6H
	FLC-250P	0.2	0.006	63	2.48	59.2	2.33	M6 x 1-6H

Sealed	FLC-500	0.10	0.004	63.5	2.5	50.8	2.0	M6 x 1-6H
	FLC-1000	0.15	0.006	63.5	2.5	50.8	2.0	M6 x 1-6H
	FLC-2KN	0.13	0.005	76.2	3.0	50.8	2.0	M12 x 1.75-6H
	FLC-2500	0.13	0.005	76.2	3.0	50.8	2.0	M12 x 1.75-6H
	FLC-5KN	0.13	0.005	76.2	3.0	50.8	2.0	M12 x 1.75-6H

Economy	FLC-50E	0.08	0.003	63.5	2.5	50.8	2.0	M6 x 1-6H
	FLC-100E	0.08	0.003	63.5	2.5	50.8	2.0	M6 x 1-6H
	FLC-200E	0.08	0.003	63.5	2.5	50.8	2.0	M6 x 1-6H
	FLC-500E	0.10	0.004	63.5	2.5	50.8	2.0	M6 x 1-6H
	FLC-1000E	0.15	0.006	63.5	2.5	50.8	2.0	M6 x 1-6H
	FLC-2000E	0.15	0.006	76.2	3.0	50.8	2.0	M12 x 1.75-6H
	FLC-2500E	0.13	0.005	76.2	3.0	50.8	2.0	M12 x 1.75-6H
	FLC-5000E	0.13	0.005	76.2	3.0	50.8	2.0	M12 x 1.75-6H

MLC - Eccentric Load Compensated	MLC-125	0.08	0.003	38.1	1.5	69.8	2.75	M6 x 1-6H
	MLC-250	0.08	0.003	38.1	1.5	69.8	2.75	M6 x 1-6H
	MLC-500	0.08	0.003	38.1	1.5	69.8	2.75	M6 x 1-6H
	MLC-1000	0.08	0.003	38.1	1.5	69.8	2.75	M6 x 1-6H
	MLC-1500	0.03	0.001	63.5 ¹	2.51 ¹	104.8	4.13	M16 x 2-4H
	MLC-2500	0.03	0.001	63.5 ¹	2.51 ¹	104.8	4.13	M16 x 2-4H
	MLC-5K	0.03	0.001	63.5 ¹	2.51 ¹	104.8	4.13	M16 x 2-4H
	MLC-10K	0.03	0.001	63.5 ¹	2.51 ¹	104.8	4.13	M16 x 2-4H
	MLC-25K	0.05	0.002	63.5 ¹	2.51 ¹	104.8	4.13	M16 x 2-4H
	MLC-50K	0.05	0.002	63.5 ¹	2.51 ¹	104.8	4.13	M16 x 2-4H

BLC - Basic Force Measurement S - Beam	BLC-2	0.222	0.009	76.2	3.0	76.2	3.0	M6 x 1-6H
	BLC-5	0.21	0.008	76.2	3.0	76.2	3.0	M6 x 1-6H
	BLC-10	0.18	0.007	76.2	3.0	76.2	3.0	M6 x 1-6H
	BLC-20	0.15	0.007	50.8	2.0	50.8	2.0	M6 x 1-6H
	BLC-50	0.08	0.006	50.8	2.0	50.8	2.0	M6 x 1-6H
	BLC-100	0.08	0.003	50.8	2.0	50.8	2.0	M6 x 1-6H
	BLC-200	0.13	0.003	50.8	2.0	50.8	2.0	M6 x 1-6H
	BLC-500		0.005	50.8	2.0	50.8	2.0	M6 x 1-6H

Notes: ¹ Dimension includes the base adapter. These sense are supplied with the base adapter standard

BLC Series Load Cells for FMM test frames

FLC and MLC Series for FMS, MMS, FMD, and MMD test frames