

Specifications

Material Test Load Cell Sensors

Starrett Material Test Load Cell Sensors - Ultra Low Profile

Model	Load Capacity			Full Scale Deflection		Safe Overload %	Height		Width		Thread
	N	kgf	lbf	mm	in		mm	in	mm	in	
ULC-1500	1500	150	337	0.05	0.002	150	63.5 ¹	2.51 ¹	104.8	4.13	M16 x 2-4H
ULC-2500	2500	250	562	0.05	0.002	150	63.5 ¹	2.51 ¹	104.8	4.13	M16 x 2-4H
ULC-5K	5000	500	1124	0.05	0.002	150	63.5 ¹	2.51 ¹	104.8	4.13	M16 x 2-4H
ULC-10K	10,000	1000	2248	0.05	0.002	150	63.5 ¹	2.51 ¹	104.8	4.13	M16 x 2-4H
ULC-25K	25,000	2500	5620	0.10	0.004	150	63.5 ¹	2.51 ¹	104.8	4.13	M16 x 2-4H
ULC-50K	50,000	5000	11,240	0.10	0.004	150	63.5 ¹	2.51 ¹	104.8	4.13	M16 x 2-4H

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

Load measurement accuracy is $\pm 0.5\%$ of reading down to 1/1000 of load cell capacity. Display resolution is 10,000:1.

Starrett recommends on-site verification of accuracy during installation. Sensor calibration should be performed at least annually.

Starrett Material Test Load Cell Sensors - Standard Low Profile

Model	Load Capacity			Full Scale Deflection		Safe Overload %	Height		Width		Thread
	N	kgf	lbf	mm	in		mm	in	mm	in	
MLC-125	125	12.5	28	0.08	0.003	150	38.1	1.5	69.8	2.75	M6 x 1-6H
MLC-250	250	25	56	0.08	0.003	150	38.1	1.5	69.8	2.75	M6 x 1-6H
MLC-500	500	50	112	0.08	0.003	150	38.1	1.5	69.8	2.75	M6 x 1-6H
MLC-1000	1000	100	225	0.08	0.003	150	38.1	1.5	69.8	2.75	M6 x 1-6H
MLC-1500	1500	150	337	0.03	0.001	150	63.5 ¹	2.51 ¹	104.8	4.13	M16 x 2-4H
MLC-2500	2500	250	562	0.03	0.001	150	63.5 ¹	2.51 ¹	104.8	4.13	M16 x 2-4H
MLC-5K	5000	500	1124	0.03	0.001	150	63.5 ¹	2.51 ¹	104.8	4.13	M16 x 2-4H
MLC-10K	10,000	1000	2248	0.03	0.001	150	63.5 ¹	2.51 ¹	104.8	4.13	M16 x 2-4H
MLC-25K	25,000	2500	5620	0.05	0.002	150	63.5 ¹	2.51 ¹	104.8	4.13	M16 x 2-4H
MLC-50K	50,000	5000	11,240	0.05	0.002	150	63.5 ¹	2.51 ¹	104.8	4.13	M16 x 2-4H

Notes: ¹ Dimension includes the base adapter. Starrett recommends including the base adapter on these model sensors to ensure proper alignment. Load

measurement accuracy is $\pm 0.5\%$ of reading down to 1/1000 of load cell capacity. Display resolution is 10,000:1.

Starrett recommends on-site verification of accuracy during installation. Sensor calibration should be performed at least annually.

