

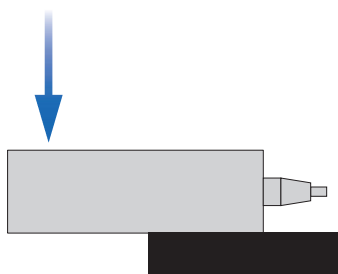
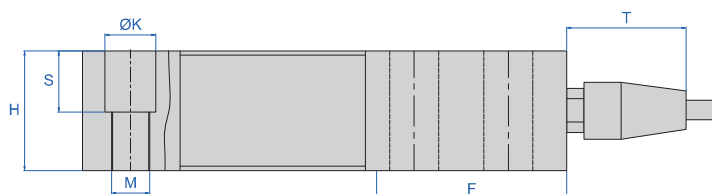
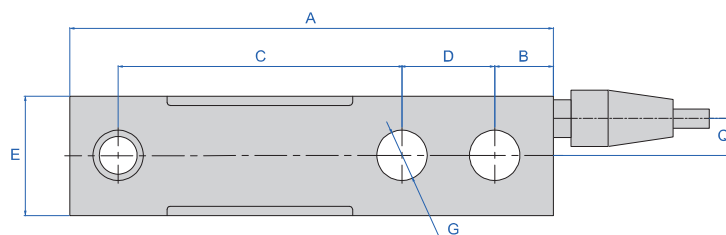
SINGLE CANTILEVER BEAM FORCE SENSORS (ADVANCED TYPE)

- Cantilever beam structure
- High precision and high stability
- Easy and quick installation
- Nickel-plated surface corrosion protection
- Suitable for platform scales, concrete plants, belt scales, batching scales, force gauges and etc.

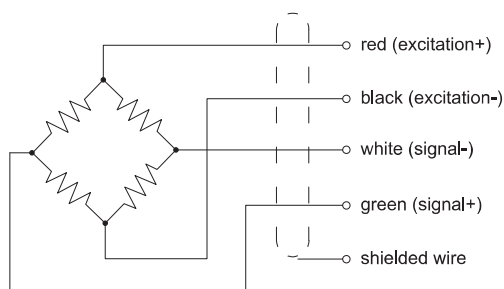


SPECIFICATION

Rated output	2.0±0.1% mV/V or 3.0±0.1% mV/V
Zero balance	±1% of rated output
Creep	±0.03% of rated output
Nonlinearity	±0.03% of rated output
Hysteresis	±0.03% of rated output
Repeatability	±0.03% of rated output
Sensitivity temperature drift	≤0.002% of applied output/°C
Zero temperature drift	≤0.002% of rated output/°C
Material	High-quality alloy steel
Range of working temperature	-31~158°F
Range of compensation temperature	14~104°F
Safety overload	150%
Input impedance	387±20Ω
Output impedance	350±5Ω
Insulation impedance	≥5000MΩ (50V DC)
Recommended excitation voltage	10V DC/AC
Maximum excitation voltage	15V DC/AC
Cable length	236"



force diagram of sensor



schematic

Part No.	Maximum range	A	B	C	D	E	F	G	H	M	K	S	T	Q
8653-250L	250lb/1000N	5.12"	.62"	3.00"	1.00"	1.25"	2.24"	2×.53"DIA	1.25"	1/2"-20 UNF	.53"	.64"	1.26"	.40"
8653-250K	250kg/2500N									M12×1.75				
8653-500K	500kg/5000N													
8653-1T	1T/10kN													
8653-1D5T	1.5T/15kN													
8653-2T	2T/20kN													
8653-2D5T	2.5T/25kN	6.75"	.75"	3.75"	1.50"	1.47"	2.99"	2×.78"DIA	1.47"	M18×1.5	.78"	.70"	1.26"	.51"
8653-5T	5T/50kN	8.75"	1.00"	4.75"	2.00"	1.97"	4.02"	2×1.03"DIA	1.97"	M24×2	1.03"	.98"	.67"	.67"
8653-7D5T	7.5T/75kN													
8653-10T	10T/100kN													