

S-TYPE FORCE SENSORS (ADVANCED TYPE)

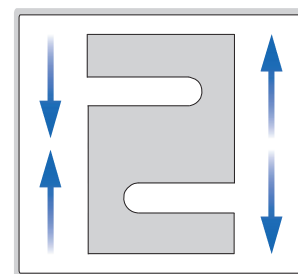
- S-type structure
- Easy and quick installation
- Stable and reliable
- Suitable for material testing machines, batching scales, electromechanical scales, packaging scales, belt scales, concrete plants and etc.

SPECIFICATION

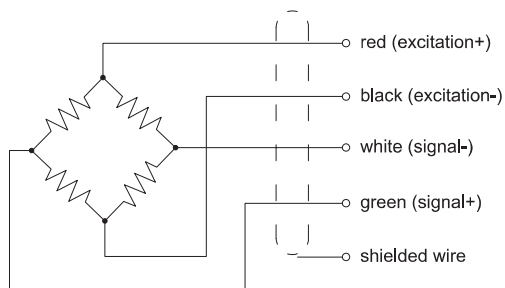
Creep	±0.03% of rated output
Nonlinearity	±0.03% of rated output
Hysteresis	±0.03% of rated output
Repeatability	±0.03% of rated output
Sensitivity temperature drift	≤0.002% of applied output/°C
Zero temperature drift	≤0.002% of rated output/°C
Range of working temperature	-35~+70°C
Range of compensation temperature	-10~+40°C
Safety overload	150%
Insulation impedance	≥5000MΩ (50V DC)
Recommended excitation voltage	10V DC/AC
Maximum excitation voltage	15V DC/AC



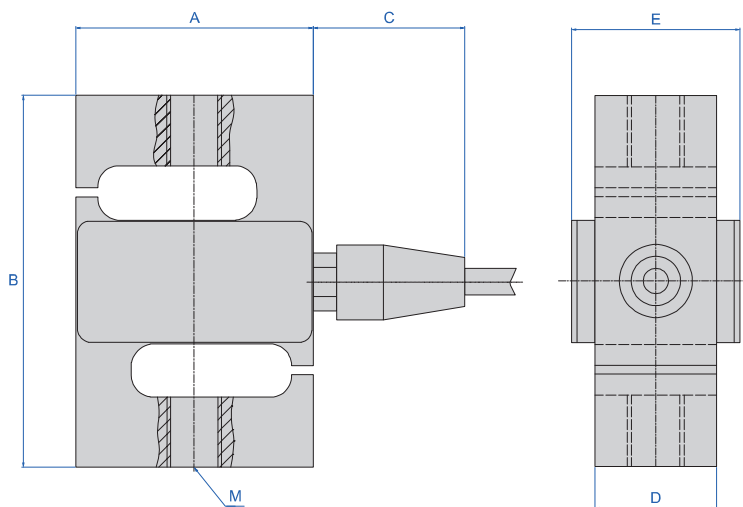
8654-100



force diagram of sensor



schematic



(mm)

Code	Type (material)	Maximum range	Rated output	Zero balance	Impedance	Cable length	A	B	C	D	E	M
8654-5A	type A (aluminum)	5kg/50N	2.0±1% mV/V	±3% of rated output	input 410±5Ω output 350±3Ω	2.75m	56	70	8	18	21	M8×1.25
8654-10A		10kg/100N										
8654-20A		20kg/200N										
8654-30A		30kg/300N										
8654-50A		50kg/500N										
8654-100	type B (alloy steel)	100kg/1000N	3.0±0.1% mV/V	±1% of rated output	input 387±20Ω outut 350±5Ω	6m	50.8	76.2	32	19	28	M10×1.5
8654-200		200kg/2000N					50.8	76.2	32	19	28	M12×1.75
8654-250		250kg/2500N										
8654-500		500kg/5000N					50.8	76.2	32	19	28	M12×1.75
8654-750		750kg/7500N										
8654-1T		1T/10kN										50.8
8654-1D5T		1.5T/15kN										
8654-2T		2T/20kN					76.2	108	32	25	31	
8654-2D5T		2.5T/25kN										
8654-5T		5T/50kN					101.6	139.7	17	31.3	38	M24×2
8654-7D5T	7.5T/75kN											
8654-10T	10T/100kN	127	177.8	17	50.4	57	M30×2					