

SPOKE-TYPE FORCE SENSORS (ADVANCED TYPE)

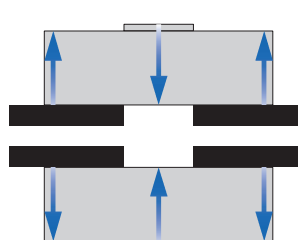
- Spoke-type structure
- High precision and high stability
- Easy and quick installation
- Nickel-plated surface corrosion protection
- Suitable for test machines and etc.

SPECIFICATION

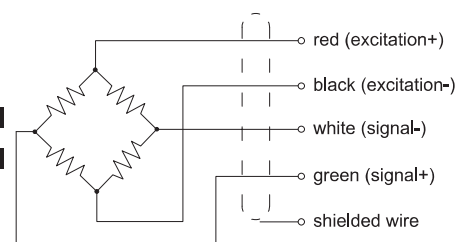
Rated output	3.0±0.25% mV/V
Zero balance	±1% of rated output
Creep	±0.03% of rated output
Nonlinearity	±0.05% of rated output (8656-50T and 8656-100T is ±0.1%)
Hysteresis	±0.05% of rated output (8656-50T and 8656-100T is ±0.1%)
Repeatability	±0.02% of rated output
Sensitivity temperature drift	≤0.0015% of applied output/°C
Zero temperature drift	≤0.0026% of rated output/°C
Range of working temperature	-31~158°F
Range of compensation temperature	14~104°F
Safety overload	150%
Input impedance	385±5Ω (8656-50T is 770±10Ω)
Output impedance	350±3Ω (8656-50T is 700±5Ω)
Insulation impedance	≥5000MΩ (50V DC)
Recommended excitation voltage	10V DC/AC
Maximum excitation voltage	15V DC/AC
Cable specification	118", TPR cable with shielding mesh



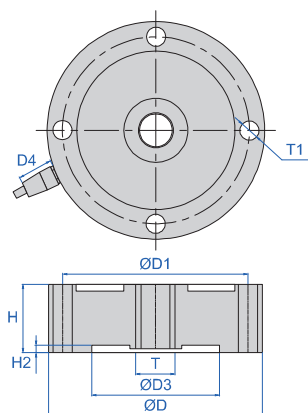
8656-20T



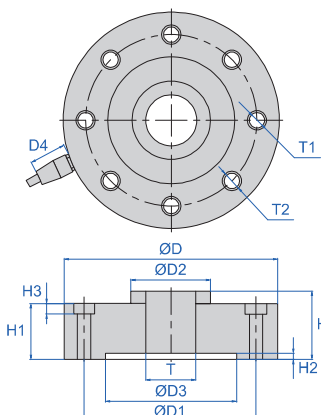
force diagram of sensor



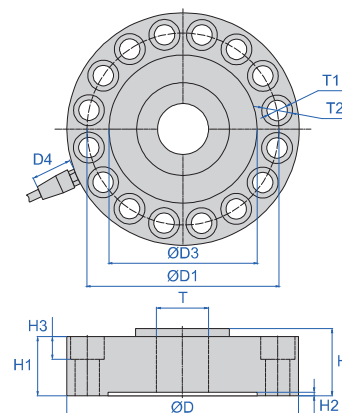
schematic



A型



B型



C型

Part No.	Type (material)	Maximum range	D	D1	D2	D3	D4	H	H1	H2	H3	T	T1	T2
8656-200	type A-4 holes (aluminum)	200kg/2000N	2.95"	2.58"	-	2.20"	1.26"	1.02"	-	.12"	-	M12-6H	4×.26"DIA	-
8656-500	type B-8 holes (alloy steel)	500kg/5000N	3.54"	3.07"	.87"	2.56"	1.26"	1.69"	1.57"	.12"	.24"	M12×1.75	8×.26"DIA	8×.41"DIA
8656-1T		1T/10kN												
8656-1D5T		1.5T/15kN	4.13"	3.50"	1.26"	2.95"	1.26"	1.38"	1.26"	.12"	.28"	M16×2	8×.28"DIA	8×.41"DIA
8656-2D5T		2.5T/25kN												
8656-5T		5T/50kN	5.43"	4.33"	1.73"	3.46"	1.26"	1.81"	1.61"	.12"	.47"	M27×2	8×.52"DIA	8×.75"DIA
8656-10T		10T/100kN												
8656-20T		20T/200kN	6.50"	5.12"	2.17"	3.78"	1.26"	1.97"	1.61"	.12"	.79"	M36×2	8×.83"DIA	8×1.22"DIA
8656-25T		25T/250kN												
8656-30T		30T/300kN												
8656-50T	type C-16 holes (alloy steel)	50T/500kN	9.21"	7.64"	-	5.91"	1.26"	2.36"	2.17"	.19"	.87"	M52×2-6H	16×.83"DIA	16×1.26"DIA
8656-100T		100T/1000kN	10.16"	8.58"	-	6.85"	1.26"	2.36"	2.24"	.12"	.87"	M76×2	16×.83"DIA	16×1.26"DIA