

SPOKE TYPE FORCE SENSORS

IF ONE INDICATOR IS USED FOR MULTIPLE SENSORS, CUSTOMIZATION IS REQUIRED

- Characteristic: low height, good linearity, easy installation, high resistance to partial load and lateral force
- Application fields: universal material testing machines, hopper scales, vehicle scales, rail scales, packaging scales, belt scales and other tension and pressure testing instruments, as well as in the field of automation and test equipments

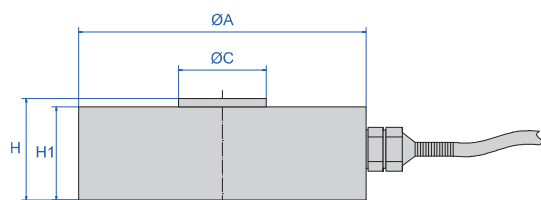
SPECIFICATION

Output sensitivity	2.0±10% mV/V
Zero output	±2%F.S.
Response frequency	10kHz
Material	alloy steel
Electrical impedance	700/1400 Ω
Insulation impedance	≥5000M Ω /100VDC
Operating voltage	5~15V
Working temperature	-15~65°C
Safety overload	120%
Extreme overload	150%
Cable specification	<1T: $\text{Ø}5.5\text{mm} \times 3\text{m}$ 1T~30T: $\text{Ø}5.5\text{mm} \times 5\text{m}$ >30T: $\text{Ø}6.5\text{mm} \times 5\text{m}$
Extreme cable pulling force	10kg

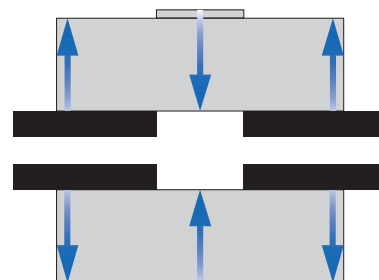
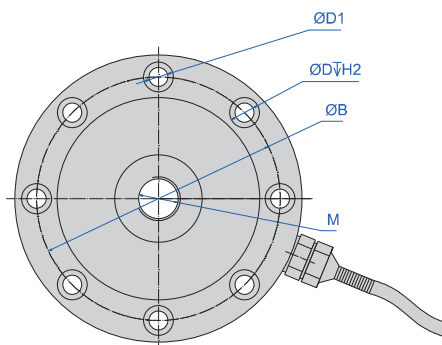


8652-30T

power-
power+
signal+
signal-
shielded wire



dimension drawing



force diagram of sensor

Code	Maximum range	Accuracy	A	C	H	H1	M	B	D1	D	H2
8652-1K	1kN/100kg	0.15%F.S.	74	24	34	30	M16×1.5	63	8×Ø6	8×Ø9	7.2
8652-2K	2kN/200kg										
8652-3K	3kN/300kg										
8652-5K	5kN/500kg										
8652-1T	10kN/1T										
8652-2T	20kN/2T										
8652-3T	30kN/3T	0.2%F.S.	105	29	37	34	M16×1.5	89	8×Ø7	8×Ø11	7.2
8652-5T	50kN/5T										
8652-10T	100kN/10T										
8652-20T	200kN/20T										
8652-30T	300kN/30T										
8652-50T	500kN/50T										
8652-80T	800kN/80T	0.25%F.S.	120.6	39	53.5	41	M32×1.5	101.8	8×Ø9	8×Ø14	10.5
8652-100T	1000kN/100T										
8652-200T	2000kN/200T										
8652-300T	3000kN/300T										
8652-500T	5000kN/500T										
8652-800T	8000kN/800T										
8652-1000T	10000kN/1000T	0.25%F.S.	280	136	90	/	M76×3	230	16×Ø17	16×Ø26	20
8652-2000T	20000kN/2000T										
8652-3000T	30000kN/3000T										
8652-5000T	50000kN/5000T										
8652-8000T	80000kN/8000T										
8652-10000T	100000kN/10000T										



connected with handheld indicator (optional)

OPTIONAL ACCESSORY

Handheld force indicator ISF-DG3