

500kg, 1Ton , 2Ton, 5Ton, 10Ton spoke weighing sensor



Product Features

Constructed from high-quality stainless steel or alloy steel material, featuring high accuracy, excellent stability, low profile design, and simple & fast installation.

Measuring Range

CH-1B: 5kN (500kg), 10kN (1t), 20kN (2t), 50kN (5t), 100kN (10t)

CH-PTSHT: 50kN (5t), 100kN (10t), 200kN (20t)

Dimension Table (Unit: mm)

Model	Range (kN)	Range (t)	D	D1	D2	D3	D4	H	H1	H2	W	T
CH-1B	5–100	0.5–10	118	100	82	36	24	50	43	6.5	4×5.1	8×φ9
CH-PTSHT	50–200	5–20	130	105	84	48	32	55	48	7	4×5.1	8×φ14

Technical Specifications

Item	Parameter	Item	Parameter
Rated Output	2.0mV/V ±0.2%	Zero Balance	±1% F.S.
Comprehensive Precision	0.05% F.S.	Input Impedance	387 ±20 Ω
Linearity & Hysteresis	±0.05% F.S.	Output Impedance	350 ±5 Ω
Repeatability	±0.05% F.S.	Insulation Resistance	≥5000 MΩ
Creep (30min)	±0.05%	Recommended Excitation	5–15V DC

Item	Parameter	Item	Parameter
	F.S./30min	Voltage	
Temp. Effect on Zero	$\pm 0.03\%$ F.S./10°C	Compensated Temp. Range	-30°C ~ +70°C
Temp. Effect on Output	$\pm 0.03\%$ F.S./10°C	Safe Overload	150% F.S.