

LOAD CELL DATASHEET

Manufacturer	NINGBO ZONHE SCALE CO., LTD
Model	CZL-YB-2E2H
Capacity	120 t (120 tons)
Accuracy	00.S ($\approx$ 0.05% FS)
Serial Number	C81399
Production Date	2025.12
Type	Compression / Column Load Cell

Technical Specifications

Parameter	Value
Rated Capacity	120 t
Accuracy Class	00.S ($\approx$ 0.05% FS)
Rated Output	$2.0 \pm 0.1\%$ mV/V
Combined Error	$\leq \pm 0.05\%$ FS
Repeatability	$\leq \pm 0.03\%$ FS
Hysteresis	$\leq \pm 0.05\%$ FS
Creep (30 min)	$\leq \pm 0.05\%$ FS
Input Resistance	$380 \pm 30 \Omega$ or $700 \pm 10 \Omega$
Output Resistance	$350 \pm 3 \Omega$ or $700 \pm 5 \Omega$
Insulation Resistance	$\geq 5000 \text{ M}\Omega$ (50 V DC)
Recommended Excitation	5 – 12 V DC (Max 15–18 V)
Zero Balance	$\leq \pm 1\%$ FS
Compensated Temperature Range	-10 to +40 °C
Operating Temperature Range	-20 to +65 °C
Safe Overload	150% FS
Ultimate Overload	300% FS
Element Material	Alloy Steel, Nickel Plated
Protection Class	IP67
Cable	4-wire shielded, typically 5–10 m
Wire Color Code	Red: +Exc, Black: -Exc, Green: +Sig, White: -Sig