

The ZNS (1055) is a high-precision stainless steel single-ended shear beam load cell designed for reliable industrial weighing. Featuring capacities from 10kg to 200kg and IP67 environmental protection, it offers industry-standard mounting dimensions for seamless integration into floor, bench, tank, hopper, and conveyor scales.



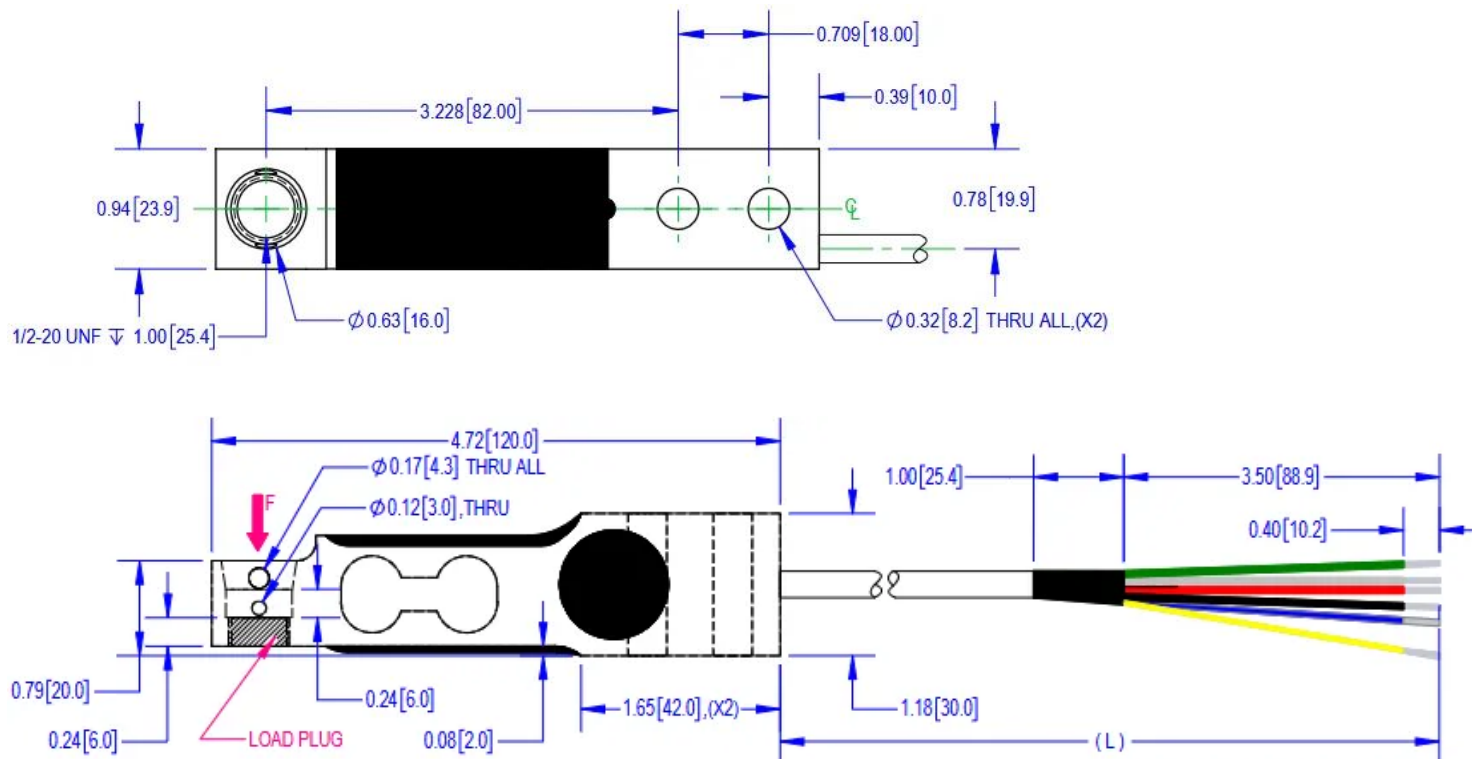
FEATURES

- Versatile capacities from 10kg to 200kg
- Stainless steel construction
- Environmental protection IP67 rating
- Industry standard mounting dimensions

APPLICATIONS

- Industrial floor scales and platform scales
- Commercial bench scales
- Liquid and dry tank weighing systems
- Silo and hopper weighing equipment
- Automated conveyor scales and material handling

OUTLINE DIMENSIONS



SPECIFICATIONS

Model	ZNS	
Capacities	kg	10, 20, 50, 100, 200
Full Scale Output (FS)	mV/V	2.0±0.1%
Calibration In mV/V/Ω	%FS	≤±0.05
Non-Linearity	%FS	≤±0.03
Hysteresis	%FS	≤±0.03
Creep @ 30 Min	%FS	≤±0.03
Zero Balance	%FS	≤±5
Temperature Effect		
Output	%FS/10°C	≤±0.04
Zero	%FS/10°C	≤±0.04
Temperature Range		
Compensated	°C	-10... +40
Operating	°C	-20... +65
Terminal Resistance		
Input	Ω	410±30
Output	Ω	350±5
Excitation Voltage	VDC	5.. 15
Insulation Resistance @50VDC	MΩ	≥5000
Safe Overload Limit	%FS	150
Ultimate Load	%FS	200
Cable Type	24 Awg 6 Conductor Black Cable	
Cable Length (L)	m	3 ^{+0.05} ₋₀
Seal Type	IP67	
Element Material	Stainless Steel	

PART NUMBERS

Capacity (kg)	G4 Part Number
10	1055-000-02
20	1055-001-02
50	1055-002-02
100	1055-003-02
200	1055-004-02

WIRING DIAGRAM

Cable Wire Color	Connection	Remarks
Red	+ Excitation	Load Cell
Black	- Excitation	
White	- Signal	
Green	+ Signal	
Yellow	Shield	
Blue	Data I/O	EEPROM



"WE TAKE THE LOAD OFF YOUR MIND"

Dimensions and specifications subject to change without notice

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