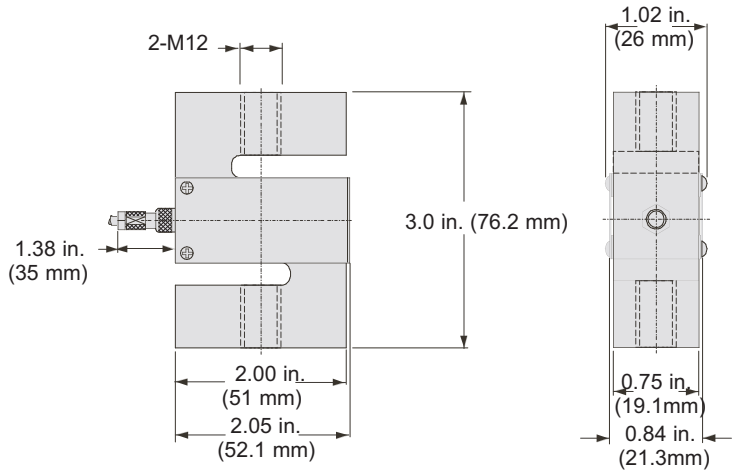
Model 129 Load Cell

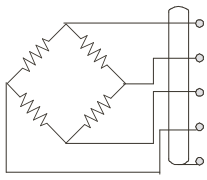
Order Code BL808

- Low Cost
- 1000 to 5000 kg Range
- 0.02% Total Error

Dimensions



Wiring Code



Performance

Load Ranges	1000; 2000; 3000; 5000 kg
Total Error	+/- 0.02% Full Scale
Output (tolerance)	2.0 +/- 0.01mV/V
Creep	+/- 0.02% Full Scale (30 minutes)

Environmental

Temperature, Operating	-20° to 160° F (-30° to 70° C)
Temperature, Compensated	0° to 130° F (-20° to 55° C)
Temperature, Effect	
Zero	+/- 0.02% Full Scale/ 10° C
Span	+/- 0.02% Full Scale/ 10° C
Environmental Protection	IP67

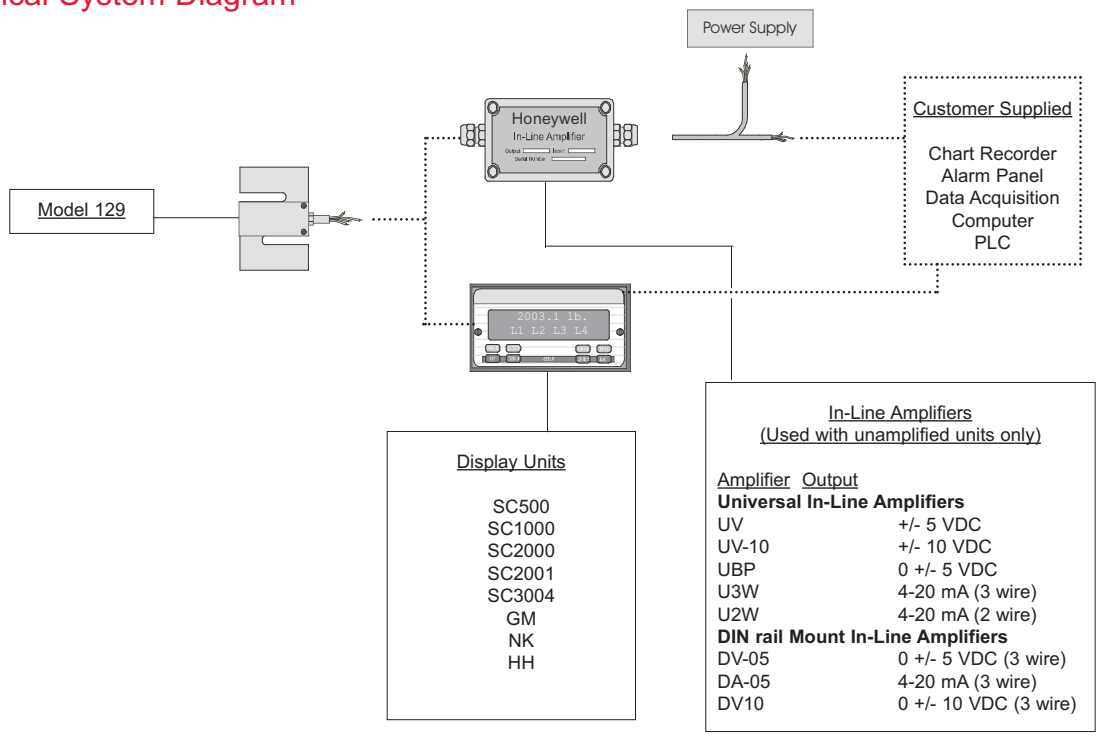
Electrical

Strain Gage Type	Bonded Foil
Excitation (calibration)	10-12 VDC
Excitation (max.)	15 VDC
Insulation Resistance	>= 5000 MegaOhms
Bridge Resistance (tolerance)	
Input Resistance	400 +/- 10 Ohms
Output Resistance	352 +/- 2 Ohms
Zero Balance (tolerance)	+/- 1% Full Scale
Electrical Termination (std)	connector with mating connector and 65.6 ft. (20m) cable

Mechanical

Static Overload Capacity	50% over capacity (note 1)
Case Material	Alloy Steel
Life Cycles (approx.)	10 million cycles

Typical System Diagram



Range Codes

Range	Range Code
100 kg	LH
200 kg	LJ
300 kg	LL
500 kg	LM

Notes

1. Allowable Maximum Loads- Maximum load to be applied without damage *2.
2. Without Damage- loading to this level will not cause excessive zero shift or performance degradation. The user must consider fatigue life for long term use and structural integrity. All structurally critical applications (overhead loading, etc.) should always be designed with safety redundant load paths.

How to Order

Combine the order code and the range code.

Sample Code: BL808 LJ

Order Code Range Code