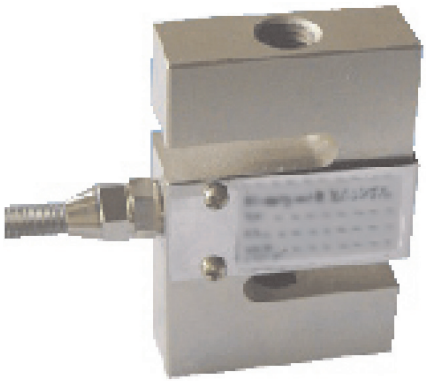
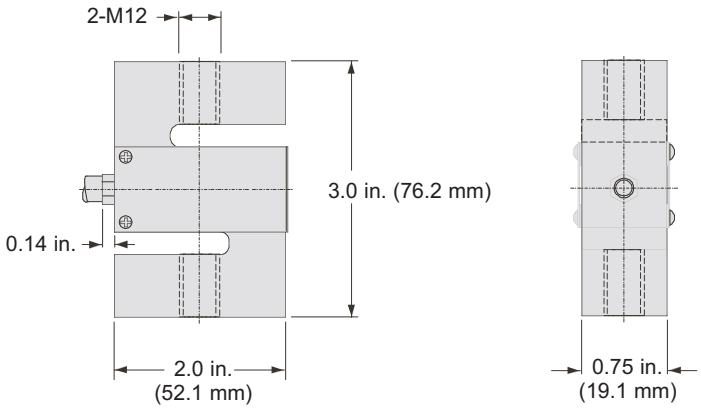
Model 125 Load Cell

Order Code BL806

- Low Cost
- 200 to 1,000 lb. (100 to 500 kg) Range
- 0.02% Total Error



Dimensions



Wiring Code

Red	(+) Supply
Black	(-) Supply
Green	(+) Output
White	(-) Output

Performance

Load Ranges	250; 400; 600; 1000 lb. 100; 200; 300; 500 kg
Total Error	+/- 0.02% Full Scale
Output (tolerance)	2.0 +/- 0.01mV/V
Creep (max.)	+/- 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

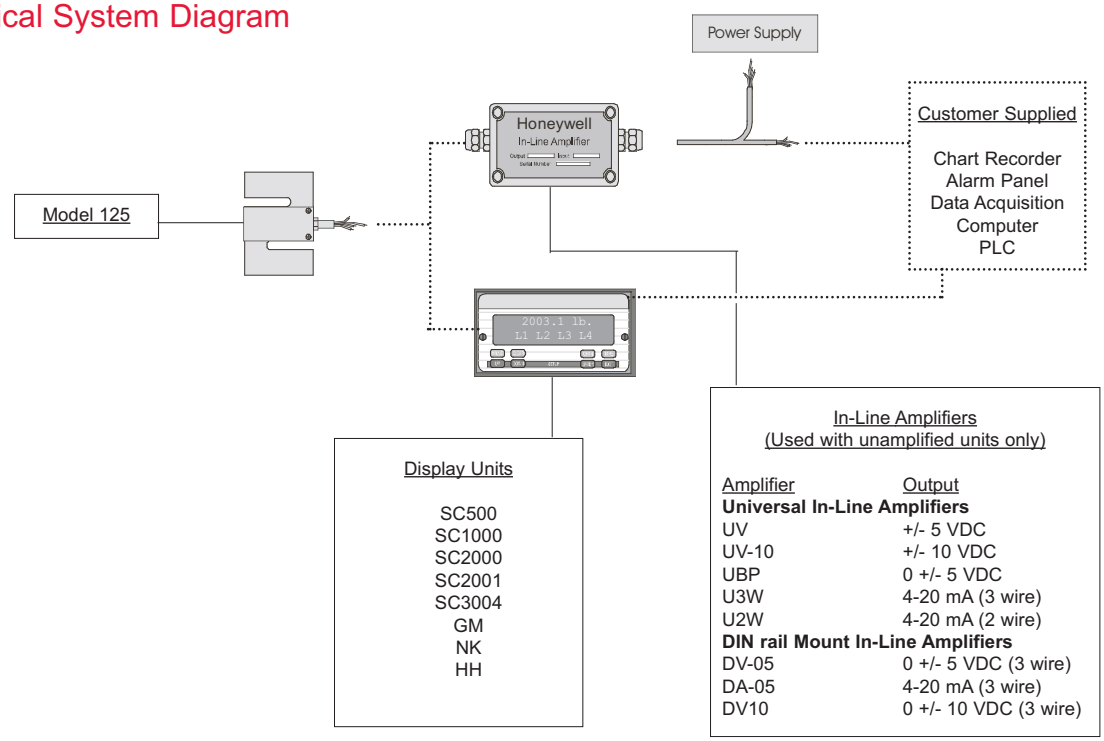
Electrical

Strain Gage Type	Bonded Foil
Excitation (calibration)	10-12 VDC
Excitation (max.)	15 VDC
Insulation Resistance	>= 5000 MegaOhms
Bridge Resistance (tolerance)	
Input Resistance	385 +/- 10 Ohms
Output Resistance	352 +/- 2 Ohms
Zero Balance (tolerance)	+/- 1% Full Scale
Electrical Termination (std)	16.4 ft. (5m) Cable (flying leads)

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	Range	Range Code
200 lb.	CL	100 kg	LH
400 lb.	CQ	200 kg	LK
600 lb.	CS	300 kg	LM
1,000 lb.	CV	500 kg	LN

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: BL806 CQ

Order Code Range Code