

Technical Data Sheet

Functional

	Current Output	Voltage Output
Rated Capacity (Wmax) per Table 1	1102 to 35,274 lb	1102 to 35,274 lb
Minimum Dead Load	5% Wmax	0% Wmax
Maximum Usable Load	120% Wmax	150% Wmax
Destructive Load	300% Wmax	300% Wmax
Rated Output at Rated Capacity (Ro)	$\Delta 16$ mA DC	2.0 mV/V
Unloaded Output	4 mA DC	< 4% Ro
Ambient Temperature Range	14° to 131° F (-10° to 55° C)	14° to 158° F (-10° to 70° C)

Performance

Accuracy class*	0.5%	0.5%
Repeatability Error	< 0.1% Ro	< 0.1% Ro
Deviation from Rated Output	< 4% Ro	< 4% Ro
Non-Linearity	< 0.25% Ro	< 0.25% Ro
Hysteresis	< 0.15% Ro	< 0.15% Ro

Physical

Materials of Construction	
Load Cell	420 SS filled with Polyurethane (1102 to 22,046 lb)
	17-4 PH SS filled with Polyurethane (35,273 lb)

Dimensions and Weight per Table 1

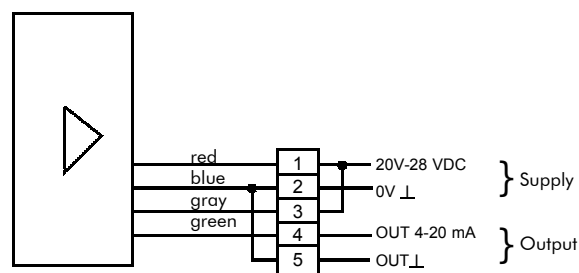
Electronics

Output Signal	4-20 mA DC	2 mV/V
Supply Excitation Voltage	20-28 VDC	4-24 VDC
Maximum Supply Excitation Voltage	28 VDC	32 VDC
Input Impedance	500 Ω	645 $\pm$ 50 Ω
Output Impedance	500 Ω	635 $\pm$ 15 Ω
Signal Cable	16.4 ft (5m)/3 mm ϕ /4 conductor with shield/thermoplastic elastomer	
Enclosure Protection	IP 68 submersible in water up to 5 ft (1.5m) for 10,000 hours	
Agency Approvals	None	FM

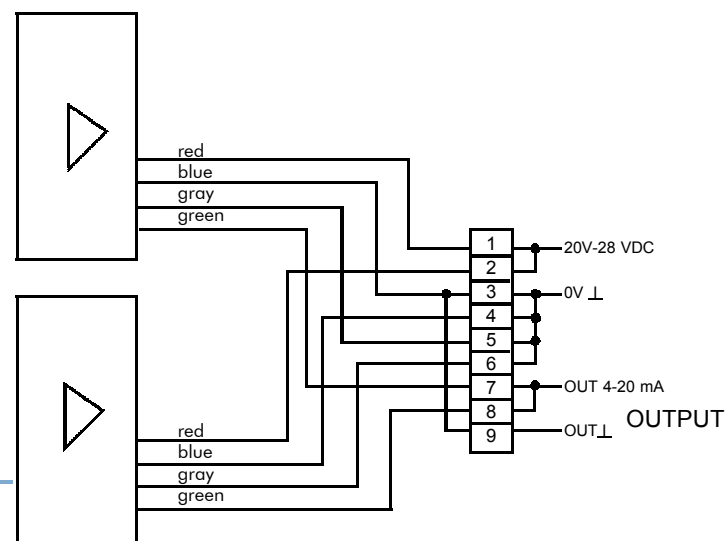
* Installed accuracy dependent on mounting, # of load cells used, external forces on vessel, and center of gravity.

Wiring Diagrams

Current Outputs

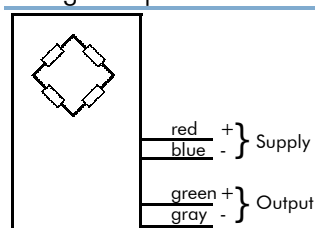


Connection diagram for one amplifier load cell

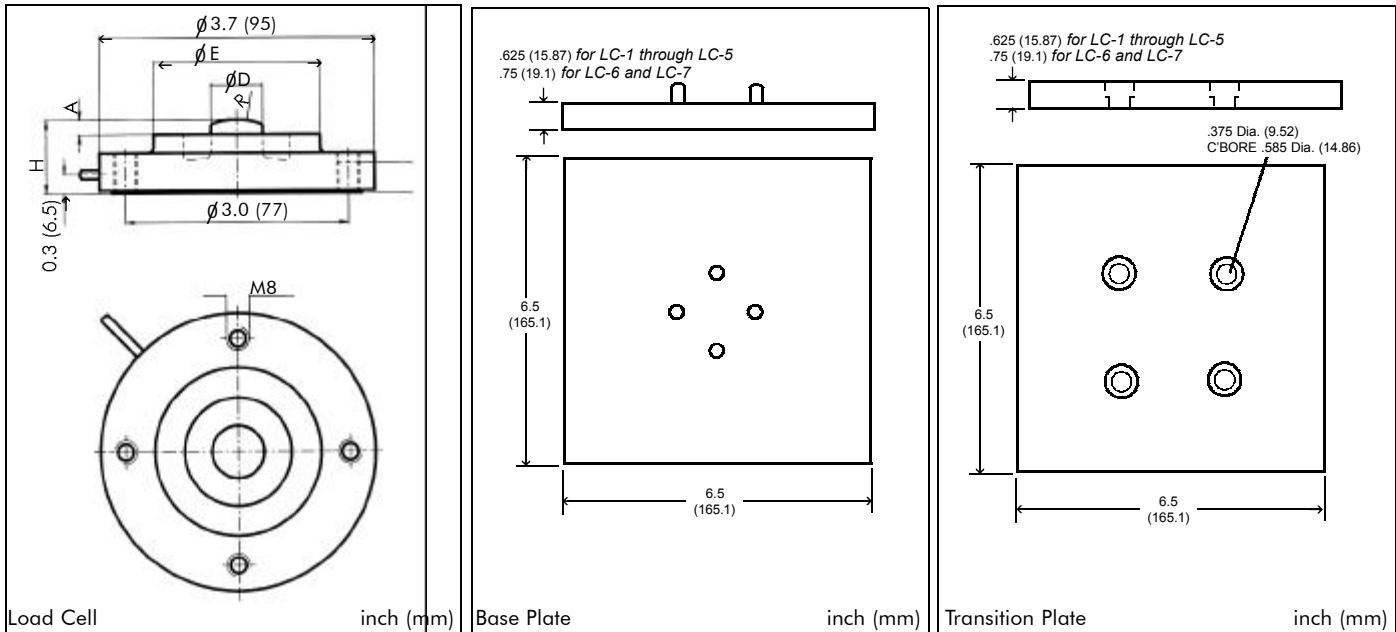


Connection diagram for two amplifier load cell

Voltage Output



Dimensions



MODEL NUMBER	RATED CAPACITY		WEIGHT (NET)		DIMENSIONS inches (millimeters)					
	lbs	kg	lbs	kg	A	D	E	H	R	
LC-1- A or V	1102	500	2.0	0.9	0.2 (5.0)	0.7 (18.0)	2.3 (57.5)	1.0 (25.0)	1.0 (25.0)	
LC-2- A or V	2205	1000	2.0	0.9	0.2 (5.0)	0.7 (18.0)	2.3 (57.5)	1.0 (25.0)	1.0 (25.0)	
LC-3- A or V	4409	2000	2.0	0.9	0.2 (5.0)	0.7 (18.0)	2.3 (57.5)	1.0 (25.0)	1.4 (35.0)	
LC-4- A or V	6614	3000	2.0	0.9	0.2 (5.0)	0.7 (18.0)	2.3 (57.5)	1.0 (25.0)	2.0 (50.0)	
LC-5- A or V	11023	5000	2.0	0.9	0.2 (5.0)	0.7 (18.0)	2.3 (57.5)	1.0 (25.0)	2.0 (50.0)	
LC-6- A or V	22046	10,000	2.4	1.1	0.3 (8.0)	0.8 (21.7)	2.3 (57.5)	1.4 (35.0)	2.8 (70.0)	
LC-7- A or V	35274	16,000	2.4	1.1	0.2 (5.0)	0.9 (23.0)	2.6 (67.0)	1.4 (35.0)	3.9 (100.0)	

Table 1

Ordering Information

Model Number LC - _____ - _____

Rated Capacity _____

lbs kg

1102 500 1

2205 1000 2

4409 2000 3

6614 3000 4

11023 5000 5

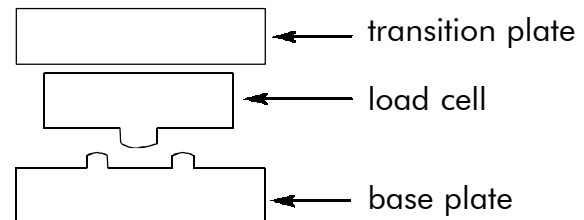
22046 10,000 6

35274 16,000 7

Outputs _____

4-20 mA A

2.0 mV/V V



Options:

- Base Plate for LC-1 through LC-5
- Base Plate for LC-6 and LC-7
- Transition Plate for LC-1 through LC-5
- Transition Plate for LC-6 and LC-7

Product Code

LCC230001

LCC230002

LCC220002

LCC220007

Accessories:

- Digital Weighing Indicators

Benefits:

- Hermetically sealed, Submersible,
- Easy mounting, FM Approved, Low profile