



Total System Capacity: _____
 Empty Tank (Tare) Weight: _____
 ProCell Model Number: _____
 Quantity: _____
 Cable Length Req'd: _____

TO TEST TANK WEIGHING ASSEMBLY (TWA) BALANCE:

1. Measure voltage across green (+) and white (-) wires.
2. Voltage measurement should not vary more than 20% between TWA on common vessel.

Temperature Operating Range (degrees F/degrees C): 0 to 150 degrees / -18 to 65 degrees
 Non-Repeatability (FSO): <0.01%
 Zero Balance (FSO): +/- 1.0%
 Excitation Voltage (VDC): 15 (25 Max)
 Safe Overload (FSO): 150%
 Ultimate Overload (FSO): 300%
 Safe Sideload (FSO): 100%
 Sideload Rejection Ratio: 500:1

WIRING	
Red:	+ Input
Black:	- Input
Green:	+ Output
White:	- Output
Bare:	Shield

Rated Capacity (lbs): 1K, 1.5K, 2.5K, 5K, 10K, 15K, 20K, 25K, 35K, 50K, 75K, 100K & 125K
 Full Scale Output (mV/V): 3.0 +/- 0.25%

BRIDGE RESISTANCE -

Input (ohms): $\frac{686}{699} \frac{714}{707}$
 Output (ohms):

Sealing: Environmentally Protected for NEMA 6 or IP67

Material/Finish: Alloy Tool Steel Electroless Nickel (standard), 17-4 SS (optional)

Cable: 4-Conductor, 22 AWG, Shielded and Jacketed, 20 ft. standard

Assembly Capacity	A	B	C	D	E	F	G	H	J	K
1K, 5K	5.13	9.35	5.00	6.25	3.75	4.00	2.75	0.56	0.50	0.25
10K, 15K, 20K, 25K, 35K	7.90	12.00	8.00	7.50	6.00	8.00	6.00	0.78	0.75	0.25
50K, 75K	9.30	16.25	12.00	11.50	9.50	9.00	6.50	0.78	1.00	0.50
100K - 125K	11.75	23.50	14.00	20.00	12.00	10.00	8.00	1.12	1.50	0.50

(K = thousand lbs)
 Dimensions above are in inches.

TOTAL SYSTEM CAPACITY will vary depending on individual ProCell capacities and quantity specified.

NOTE: For pivoted systems where a ProCell will not be located at every tank support point, only a percentage (typically 1/2) of total system weight will be applied to ProCell(s)

S.1.107
 W.1.107

ACCURACY CLASS	Standard (Class 3)
Combined Error (FSO):	<.03%
Non-Linearity (FSO):	<.03%
Hysteresis (FSO):	<.02%
Creep (FSO) in 20 minutes:	<.03%
Temperature /Compensated Range -	
Degrees F:	14 to 104 degrees
Degrees C:	-10 to 40 degrees
TEMPERATURE EFFECTS -	
Zero / degrees F (FSO):	<.0015%
Span / degrees F (of load):	<.0008%



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**Model PC160 ProCell
 TANK WEIGHING ASSEMBLY
 Zone 4 Seismic Compliance Rated**

Drawn by: SLJ/MT
 Date: 11/01/96
 Revised: 12/28/06 MT
 Scale: NONE

Drawing Number
29940