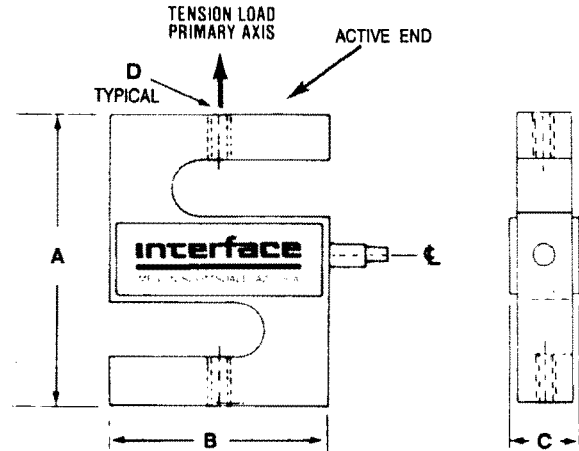


## INSTALLATION DIMENSIONS

MODEL	A	B	C	D
SSM-200N	64	51	22	M6 x 1 - 6H
SSM-500N, 1000N	64	51	19	M6 x 1 - 6H
SSM-2000N, 5000N, 10kN	76	51	32	M12 x 1.75 - 6H
SSM-1-20kN	89	64	44	M16 x 2 - 6H

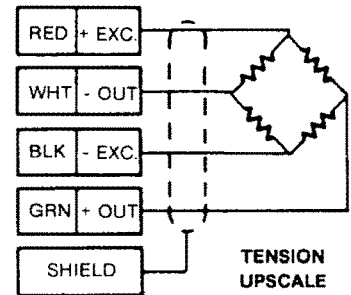


## ELECTRICAL INFORMATION

The SSM-200N through SSM-1000N are supplied with a 4-conductor shielded cable (AWG 28) 3m long. The SSM-2000N through 20kN load cells are supplied with a rugged cable (PVC Jacket AWG 22) 3m long, or a Bendix PC04E-10-6P connector. A mating connector, PC06W-10-6S is available at additional cost.

Wiring Color code complies with ISA S37.8 "Specifications and Tests for Strain Gage Force Transducers" and SMA Load Cell Terminology.

Connector (SSM-2000N-20kN)		Cable (All Models)	
Pin	Function	Color	Function
A	+ Excitation	Red	+ Excitation
B	+ Output	Green	+ Output
C	- Output	White	- Output
D	- Excitation	Black	- Excitation
E	No Connection	Shield	No Connection
F	No Connection		



## APPLICATION NOTES

- The Sealed Super-Mini load cell is specifically designed for outdoor usage and thus can be used in scale pits and batching plants or other locations that are directly exposed to the weather.
- At least one diameter thread engagement is desirable; normal engagement is shown below:
 

SSM-200N, SSM-500N, SSM-1000N	6mm to 12mm
SSM-2000N, SSM-5000N, SSM-10kN	12mm to 16mm
SSM-20kN	16mm to 20mm

- Jam nuts may be used, however care should be exercised to not apply excessive torque across the load cell. Torque should be reacted against the load cell structure immediately adjacent to the jam nut and should not exceed the following recommended torque:
 

SSM-200N	2.2N·m (0.2 kg·m)
SSM-500N, SSM-1000N	4.5N·m (0.5 kg·m)
SSM-2000N, SSM-5000N	22.5N·m (2.3kg·m)
SSM-10kN	90N·m (9.2 kg·m)
SSM-20kN	113N·m (12 kg·m)
- The force to be measured should be applied to the active end of cell to eliminate possible errors due to cable interaction. The active end of the cell is separated from the cable/connector side by the slot (cutout) in the flexure (the serial number is always shown on the inactive side).

**BOTTOMING OUT OF THE MOUNTING STUD CAN CAUSE IRREPARABLE DAMAGE TO THE LOAD CELL.**

## PERFORMANCE DATA

Input Resistance — Ohms ..... 350 + 50/-3.5  
 Output Resistance — Ohms ..... 350 ± 3.5  
 Recommended Excitation — VDC ..... 10  
 Maximum Excitation — VDC or VAC ..... 15  
 Non-Linearity — % Rated Output ..... < ± 0.05  
 Hysteresis — % Rated Output ..... < ± 0.03  
 Temp. Range Compensated — °C ..... -15 to 65  
 Temperature effect on zero —  
 % Rated Output/55 °C ..... < ± 0.15  
 Zero Balance — % Rated Output ..... < ± 1

# METRIC SEALED SUPER-MINI LOAD CELL

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WARRANTY & CERTIFICATION STATEMENT ON OTHER SIDE