



AC Series





General Load Cell Specs

SCA Series Cells

- 50K, 100K, 120K, 200K lb capacities available
- NTEP and OIML certification
 - (can be interchanged with each other)
- IP68 protection rating
 - Long-term immersion in water
- 35 ft (10 m) cable

- 50K, 100K lb capacities available
- NTEP and OIML certification
 - (can be interchanged with each other)
- IP69K protection rating
 - High pressure, high temp spray down
- 50 ft (15.2 m) cable



Physical Load Cell Specs

SCA Series Cells

- Stainless steel body
- Standard load cups
 - Hardened stainless steel
 - 1/4" thick at load point

- Stainless steel body
- Extra-robust load cups
 - Plated alloy steel, anti-rotation
 - 7/8"+ thick at load point



Anti-Rotation

- Notched load cup on bottom
- Point between load cell (convex) and load cup (flat) has potential to rotate



 Bottom of cup does not rotate (cup and mounting surface are both flat)

Load Cell Column

Load Cup



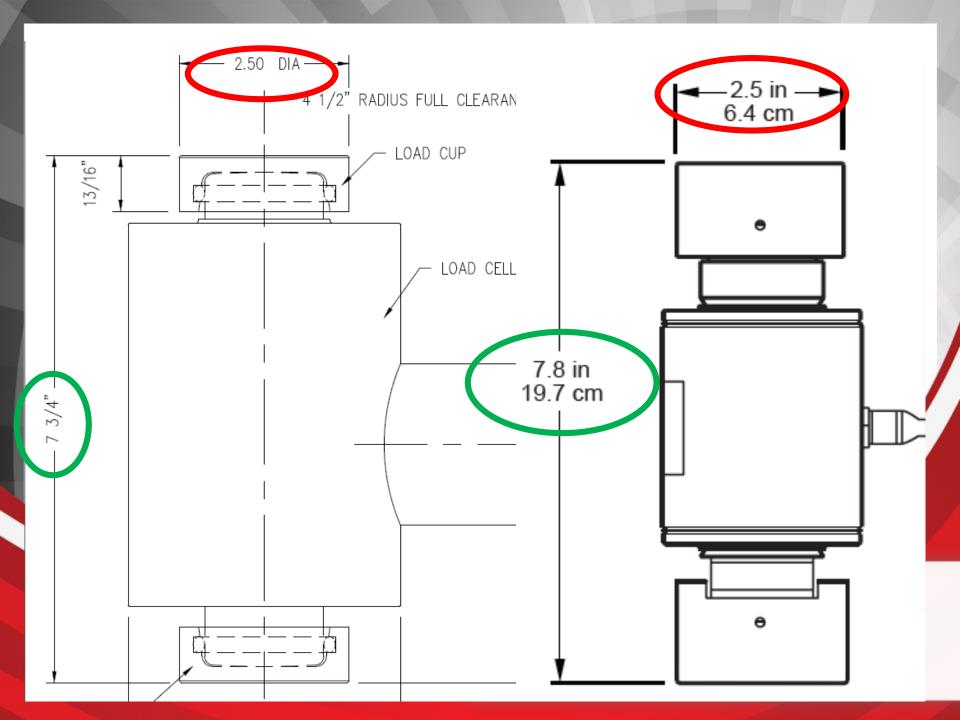
Physical Load Cell Specs

SCA Series Cells

- Stainless steel body
- Standard load cups
 - Hardened stainless steel
 - 1/4" thick at load point
- Mounting dimensions
 - Load cup − 2 ½" dia.
 - Height 7 ¾"

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- Extra-robust load cups
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 - 7/8"+ thick at load point
- Mounting dimensions
 - Load cup 2 ½" dia.
 - Height 7 ¾"





Electrical Load Cell Specs

SCA Series Cells

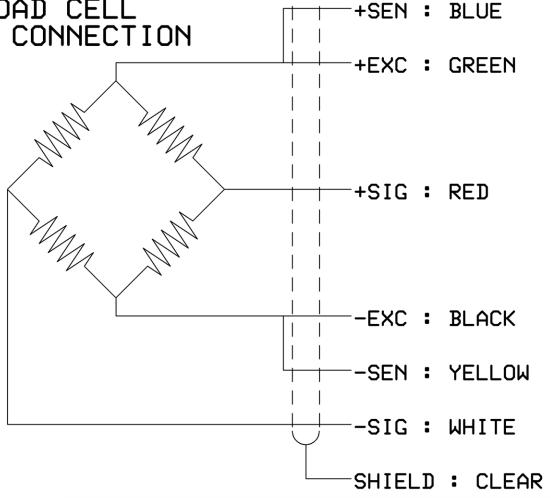
- 2 mV/V rating
- 10-15 VDC excitation
- 1150 +/- 60 ohms excitation resistance
- 1050 +/- 15 ohms signal resistance
- 4 wire connection capable
- 6 wire connection incapable

- 2 mV/V rating
- 10-15 VDC excitation
- 1150 +/- 50 ohms excitation resistance
- 1005 +/- 5 ohms signal resistance
- 4 and 6 wire capable



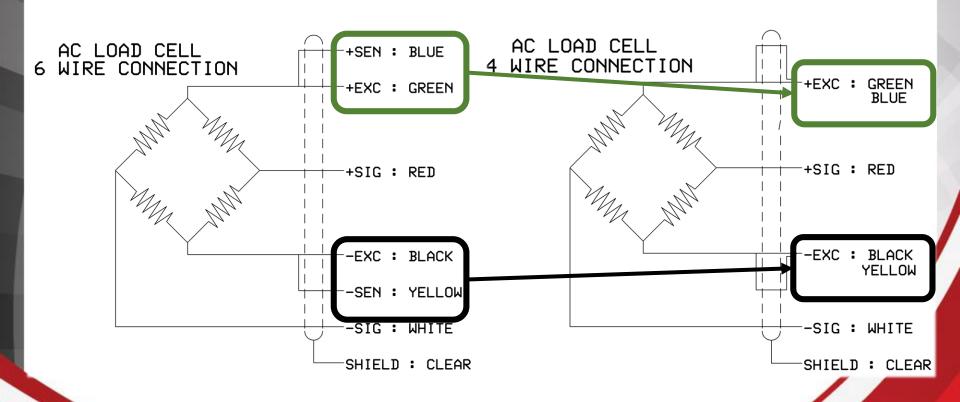
AC LOAD CELL 6 WIRE CONNECTION

6-WIRE CONNECTIONS





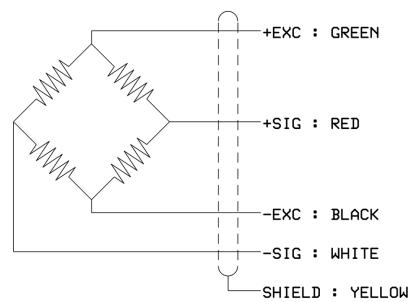
6- to 4-Wire Connection

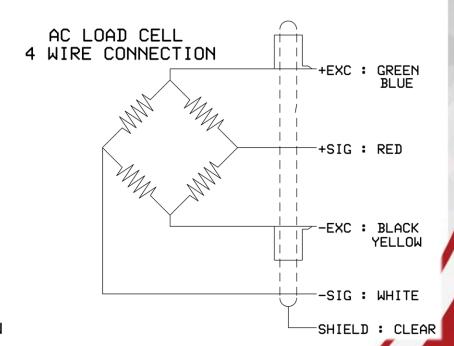




4-Wire Connections

SCA LOAD CELL







4-Wire Connections

