



## CC30/50

### Compression Load Cell

#### TECHNICAL SPECIFICATION



CC-30  
White shield  
2.13 mv/V



CC-30-3  
Gray shield  
3 mv/V



CC-50  
Red shield  
2.5 mv/V

The CC-30/50 is a heavy duty compression load cell, particularly well suited for higher capacity mobile applications. These all-weather load cells add a valuable scale function to mixers, wagons, boxes, tanks, etc.

#### FEATURES & BENEFITS

The CC-30/50 offers 0.1% accuracy, 30,000/50,000 lb (13,607/22,679 kg) capacity, temperature compensation and interchangeability with many competitive models. The simple, compact design and rugged, sealed construction of the CC-30/50 assures long term performance in all types of field installations.

**Small footprint** – 4.25" tall by 2.875" wide (10.8 cm x 7.30 cm)

**Weatherproof construction** – Aerospace-developed sealing agent provides ultimate protection against moisture and ensures long term durability in harsh agricultural environment.

**Robust Cables** – Cables are made of tough polyurethane providing maximum protection from moisture and physical damage.

**Cable length** – 30 feet (9.2 Meters)

**Cable termination** –

5-pin AWT connector or tinned wire leads

#### OPTIONS

**Polyurethane disk** – Prevents metal to metal contact. 2.375" dia x .375" (6.03 cm x .95 cm) (2 per cell)

**Mounting options** – Consult factory

**0.1% accuracy**

**High-capacity with small footprint**

**Temperature compensation**

**Robust sealed construction**



CC-30 and CC-50 load cells are typically used on larger capacity truck mounted applications. Simply place the load cells between the box and the frame. The load cells offer 0.1% accuracy, 30,000/50,000 lb (13,607/22,679 kg) capacity, temperature compensation and interchangeability with many competitive models.

# CC30/50 Compression Load Cell

## SPECIFICATIONS

### Capacity:

30,000/50,000 lb  
(13,607/22,679 kg)

### Material:

Alloy steel

### Finish:

Nickel plated

### Accuracy:

±0.10 %

### Full scale output:

CC-30: 2.13 or 3 mv/V  
CC-50: 2.50 mv/V

### Safe overloading rating:

150%

### Maximum overload rating:

200%

### Temp Compensation Range:

0 to 125 F (-18 to 52 C)

### Zero Range:

0 to .1 mv/V

### Zero Temp Compensation:

0003 mV/V per 5 degrees C

### Span Temp Compensation:

Temp Effect on Span  
-4° F to 122° F (-20° C to 50° C)  
= +0.011%/degree C

### Max Excitation Voltage:

20VAC or DC

### Input resistance:

370 Ohms +10% -1%

### Output resistance:

350 Ohms ±1%

### Zero balance:

0 to +0.1 mv/V

### Cable length:

30 feet (9.2 Meters)

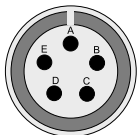
### Shipping weight:

4.5 lb (2.04 kg)

### Warranty:

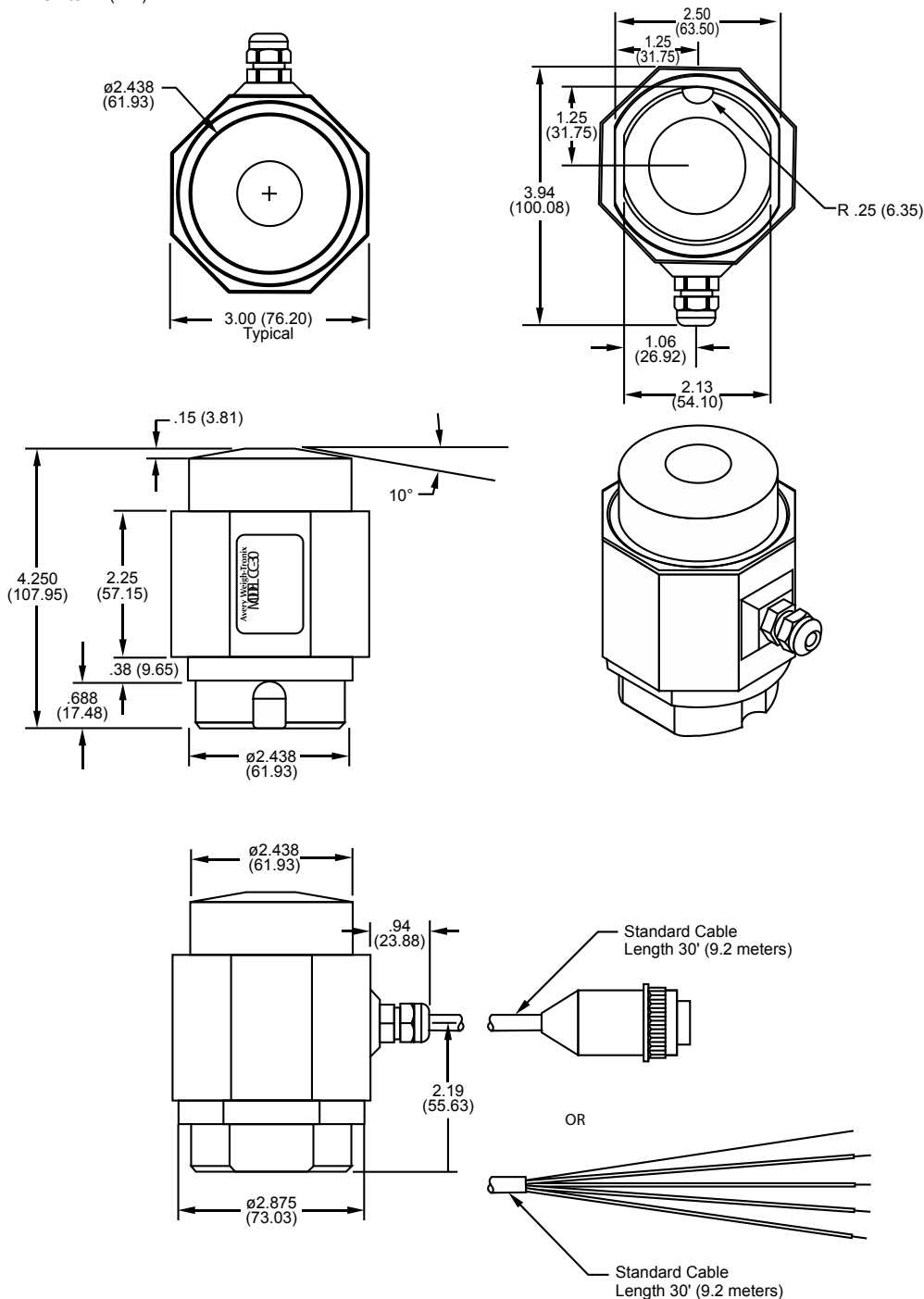
3 years

### 5-pin connector color code:



- B Green . . . +Excitation
- D Black . . . -Excitation
- C White . . . +Signal
- A Red . . . -Signal
- E Orange . . . Shield

Units: in (mm)



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Scales for Agribusiness



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