

# CC-30/50 Compression Load Cells



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.

The CC-30/50 offers 0.1% accuracy, 30,000/50,000 lb 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.

## Specifications

**Capacity**— 30,000/50,000 lb (13,608/22680 kg)

**Material**— Alloy steel

**Finish**— Nickel plated

**Accuracy**—  $\pm 0.10\%$

**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)

**Maximum excitation voltage**— 20V AC or DC

**Input resistance**— 370 Ohms +10% -1%

**Output resistance**— 350 Ohms  $\pm 1\%$

**Zero balance**— 0 to +0.1 mv/V

**Cable length**— 20 or 30 ft

**Shipping weight**— 4.5 lb

**Warranty**— 3 years

**Cable Color Code**—

B Green ..... + excitation

D Black ..... - excitation

C White ..... + signal

A Red ..... - signal

E Orange ..... shield

CC-30  
White shield  
2.13 mv/V



CC-30-3  
Gray shield  
3 mv/V

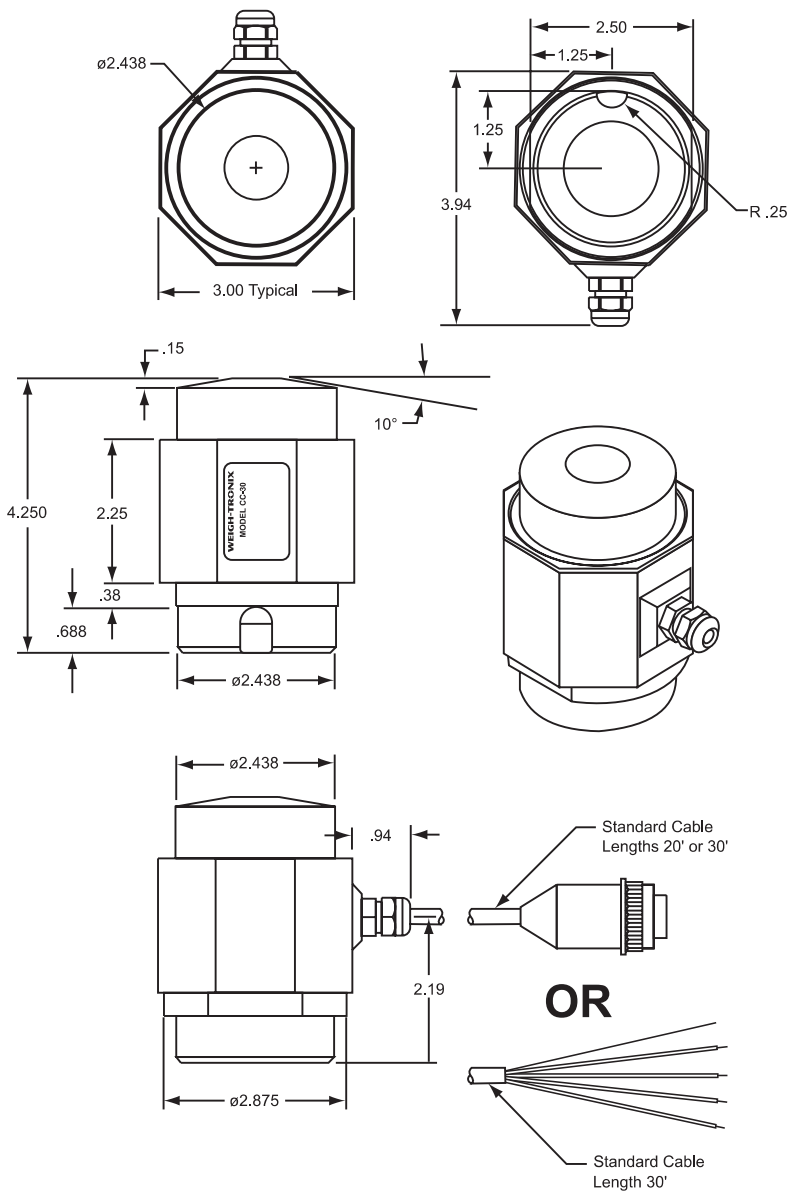


CC-50  
Red shield  
2.5 mv/V

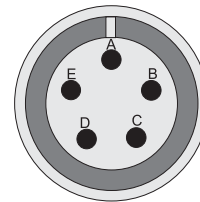


# CC30/50 Compression Load Cells

## Dimensional Drawings



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, 30k or 50k capacity, temperature compensation and interchangeability with many competitive models.



### 5-Pin

- A Red
- B Green
- C White
- D Black
- E Shield

## Options

**Polyurethane disk**— 2-3/8" dia x 3/8" (2 per cell)

**Cable length**— 20 or 30 ft

**Cable termination**— 5-pin connector  
Tinned wire leads

**Mounting options**— Consult factory



### Avery Weigh-Tronix

1000 Armstrong Dr.  
Fairmont, MN 56031 USA  
Telephone: 507-238-4461  
Facsimile: 507-238-8283  
e-mail: [ag@weigh-tronix.com](mailto:ag@weigh-tronix.com)  
[www.agscales.com](http://www.agscales.com)

