

COMPRESSION LOAD CELLS

790 WEST ROCKWELL AVENUE
 FORT ATKINSON, WISCONSIN 53538
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P/N	Description	Accuracy	Rated lb/kg	mv/v	TC%	Paint Color
824181	C.T. 10K-21'	.25%	10k/4.5k	.95	NA	Blue
148008*	C.T. 30K T.C.-30'	.10%	30k/13.6k	3.0†	.1%	Blue
153101*	C.T. 30K T.C.-30'	.25%	30k/13.6k	3.0†	.25%	Black
153102	C.T. 50K T.C.-30'	.10%	50k/22.7k	2.5†	.1%	Blue
153103	C.T. 50K T.C.-30'	.25%	50k/22.7k	2.5†	.25%	Black

†NOTE: If after providing proper safety factors, you expect the system to exceed 2.0 mv/v, call the factory for special indicator setup. This special setup must be referenced when ordering the EZ indicator. Maximum output supported by the EZ Series of indicators is 2.0 mv/v or 18144 kg/40,000 lbs. for the 50K and 9072 kg/20,000 for the 30K.

Features of Digi-Star Load Cells:

- **Pre-calibrated load cells**—Eliminates field calibration hassles.
- **Durable coating**—Protects cells from corrosion when exposed to the elements.
- **Polyurethane-jacketed cables**—Our premium cable has two (2) shields (foil and braided) to provide maximum protection against RFI, EMI and lighting exposure.
- **Double sealed electronic strain gauge**—Strain gauges are sealed with encapsulating materials to protect them from the elements and provide dependability and long life.
- **Impact-resistant enclosure**—Protects sensitive gauging against physical abuse. Provides long years of dependable performance.
- **Each load cell is a "complete full-bridge"**—Permits them to be configured, one or more per system, without the use of expensive compensation plugs. Also permits easy troubleshooting since load cells operate independently. This provides maximum flexibility at minimum cost.

- **Easy field replacement**—No recalibration needed. Matched load cells make replacement both convenient and economical.
- **High quality manufacturing**—Digi-Star's high quality manufacturing process assures years of reliability. Load cells are loaded to 150% of their capacity during manufacturing and receive 100% loaded testing after final calibration.
- **Temperature compensation**—All 30K and 50K load cells are temperature compensated and manufactured for applications requiring accurate inventory weights over broad temperature swings. **Note:** 10K CT-P/N 824181 is not temperature compensated.
- **Versatility**—Any Digi-Star load cell can be used with any Digi-Star indicator. The application and desired indicator functions will dictate the system needed.
- **Interchangeable with many competitive models**—No need to change mounting equipment and hardware to install in most applications. Call for details.

APPLICATION: To be used for compression loads in most agricultural and industrial applications. Ideal for mobile applications. We recommend these C.T.'s be used with our patented floating mounts.

FEATURES: Anti-rotation flats are provided except for 824181. Cable is 30' of heavy duty Digi-Star cable. Rated safe overloading: 150% of rated load.

Temperature compensation range is 15°F to 115°F

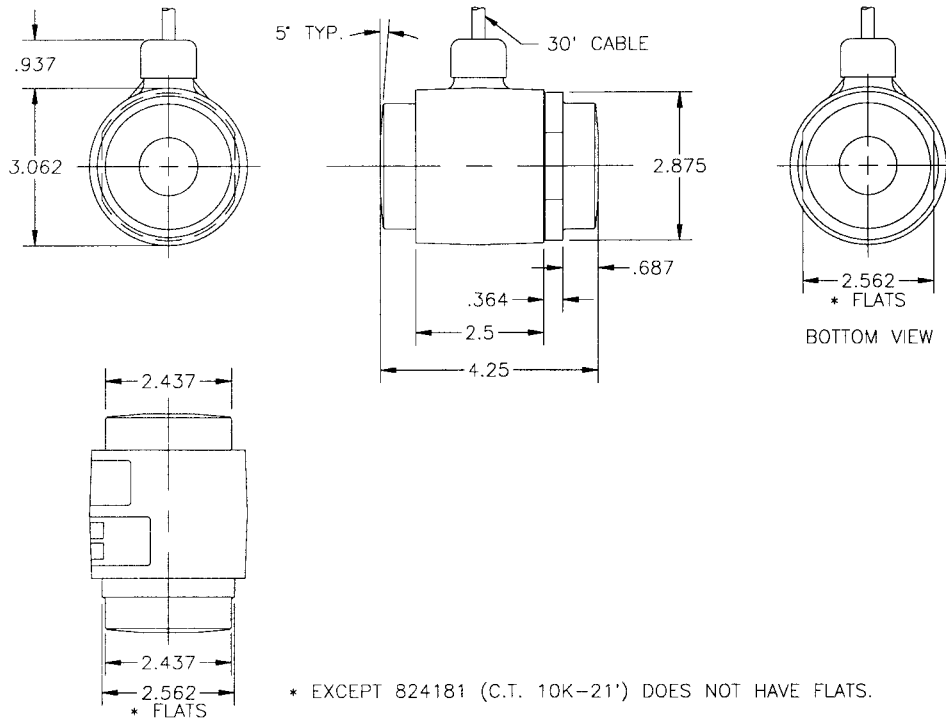
Input resistance is 418 ± 10 ohms (P/N 824181 is 725 ± 20 ohms)

Output resistance is 350 ± 5 ohms (P/N 824181 is 700 ± 5 ohms)

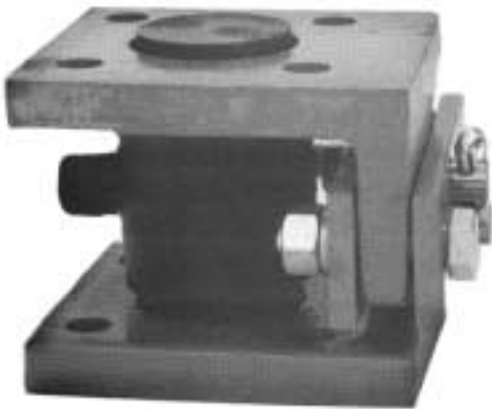
Zero balance is ±1% of rated output

*Note: Functional replacement for the CLB50-3 "The Great Pumpkin" load cell in all mixer systems. OK to mix this load cell and the CLB50-3 in a mixer system.

SPECIFICATIONS



MOUNTS



Features of Digi-Star Universal Mounts:

Rugged cast construction. Built of durable steel. Each mount is designed for years of dependable service.

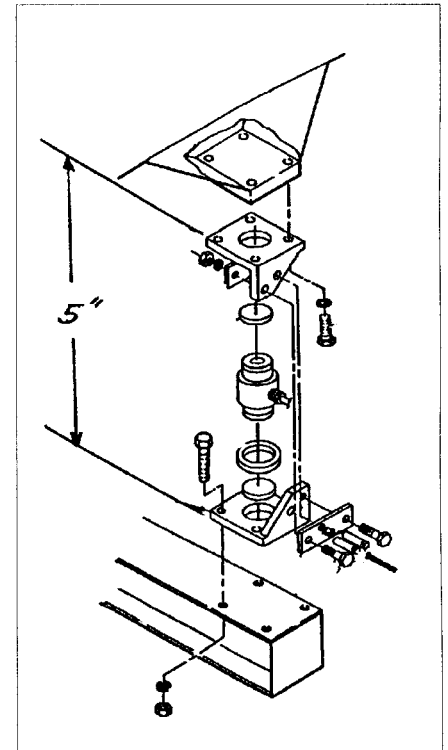
Corrosion-resistant coating. Each mount is zinc plated for maximum protection.

Easy installation. Mounts are designed to be installed fast for added user convenience.

Easy Access. Mounts are easily accessible when servicing is needed. Fewer knuckle scrapes, more convenience.

Model CT and Universal Mounts

These patented "floating" design mounts are designed specifically for mobile applications. Checking action of floating mount prevents starting, stopping and swaying of the load from interfering with the accuracy of the scales in demanding mobile applications.



Digi-Star ★

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