

# WHICH LOAD CELL BEST SUITS YOUR APPLICATION?



Digi-Star develops and manufactures a wide range of load cells matching virtually any weighing need. Whether mobile or stationary weighing situations are involved, Digi-Star is renowned for its high quality. Designed for the most robust conditions! Developing and manufacturing load cells for the agricultural industry is Digi-Star's main area of expertise. If our standard products do not fit your specific needs, a team of experienced engineers will also develop customer-specific sensor solutions. With understanding of your application!

#### Reliable and versatile partner from development to after-sales

with its experience and focus on the agricultural industry, Digi-Star is the pre-eminent partner for the OEM, that wants to install a weighing construction on to be developed or existing machines. Digi-Star offers the manufacturer high-quality, precision, total solutions! With intensive supervision from the concept to the end product, so that the weighing solution is guaranteed to the specific requirements of the application!

Digi-Star is a solid partner in after-sales, with services that manufacturers and their customers can rely on. Digi-Star offers product and trouble shooting training sessions for both sales and service departments. If required, we also offer these services onsite to the exporting OEM's distribution organisations. With the Digi-Star team, manufacturers are always ensured optimal support. From A to Z!

# ***Digi-Star***

Providing measuring solutions to optimize agricultural performance!



#### Differential Weigh Beams (DB)

- Available in capacities from 1,500 to 30,000 lbs
- Accuracy 99.5%
- Especially designed for installation in frames or onto axles
- OPTIONAL version with temperature compensated load cells are available for storage situations. To compensate for temperature influences and accurate weighing.



#### Differential & Shear Weighing Axles (DA & SA)

- Available in capacities from 3,500 to 50,000 lbs
- Accuracy 99.5%
- Especially designed for weighing in axle constructions
- Available with brake or without brake



#### Special Products

- Customer-specific design and development
- Development for special customer-specific applications



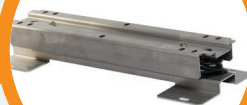
#### Compression Transducers (CT)

- Available in capacities up to 50,000 lbs
- Accuracy 99.9%
- Standard temperature compensated
- Ideal for stationary/mobile applications with high capacity such as feed mixers, grain carts, (bio)mixers, silos and weighbridges
- Special mounts available for under stationary applications and for installation in frames



#### Shear Beams (SB)

- Available in capacities up to 10,000 lbs
- Accuracy 99.9%
- Especially designed for compact installations such as animal weighing, platform weighing, dosing and (bio)mixer applications.



#### Weigh Beams

- Available in 16", 24", 33-1/2" and 44" lengths
- Capacity per beam 1,650 or 3,300 lbs
- Accuracy  $\pm 1\%$
- Especially designed for do-it-yourself mounting under platforms and animal weighing cages
- Self-leveling for uneven surfaces

## DIGI-STAR LOAD CELLS FOR A WIDE RANGE OF APPLICATIONS:

### - ROBUST POLYURETHANE CABLE

strong and well shielded PVC cable offers maximum protection against RFI, EMI and lightning exposure and is ideal for agricultural applications.

### - ENVIRONMENTALLY SEALED ELECTRONIC STRAIN GAUGES

the sensor part is double sealed with polyurethane rubber, especially developed by Digi-Star, to protect it from the elements and to ensure maximum dependability and long life!

### - IMPACT-RESISTANT ENCLOSURE

offers optimal protection from external physical impact.

### - SPECIAL PROTECTION FROM SHOCK LOAD AND OVER LOAD

the load cells have been especially developed with an additional safety factor up to 250% of the weighing capacity. For extra safety and protection against extreme shocks and overloading.

### - DURABLE COATING

protects cells from corrosion

### - EASY FIELD REPLACEMENT

every load cell is pre-calibrated, so no calibration is needed in the event of replacement in the field.

### - HIGH-QUALITY MANUFACTURING

Digi-Star's high-quality manufacturing process ensures years of reliability. Most load cells are loaded to twice their capacity during manufacturing and receive 100% loaded testing after final calibration.

### - PROVEN QUALITY AND RELIABILITY

Digi-Star has more than 25 years experience with the agricultural industry's specific quality requirements. This know-how is translated into a durable product ensuring long life!

We reserve the right to modify designs, or implement product improvements, without any obligations with respect to goods purchased.

# Digi-Star<sup>®</sup>