

# Eilersen Digital-Capacitive Load Cells

The Only Choice for Accurate and Repeatable Mobile Weighing

## The Ultimate Load Cell for Mobile Weighing

When it comes to mobile-weighing applications in the bio-manufacturing industry, there is no substitute for the accuracy and repeatability of Eilersen's digital-capacitive load cells. Historically, outdated "strain gauge" load cells were sometimes used in the industry for mobile weighing applications, despite their inherent limitations. However, the introduction of digital-capacitive load-cell technology has addressed common challenges associated with mobile weighing. With their exceptional accuracy and durability, Eilersen load cells have become the preferred choice for all of Acuity's AccuCart™ mobile weighing systems. Say goodbye to the constraints of traditional load cells and fixed floor scales, and experience the versatility of digital-capacitive technology.

### Digital Capacitive Sensing Technology

Eilersen's patented digital-capacitive weighing technology centers on the use of an accurate and stable ceramic sensor that does not directly contact the load cell housing. This allows the load cell to withstand adverse external factors such as shock and high overloads. By using the capacitive principle, a weighing unit measures a change in capacitance at the ceramic sensor in the load cell as a load is applied.

### Specifications

- Type: BL (Non-ATEX) BL-Ex (ATEX)
- Capacity (Emax): 10, 20, 30, 50, 100, 150, 250, 500, 1000kg
- Overload Tolerance: 500% at 5kg, 200% at 1000kg capacity
- Accuracy: Industrial 0.10%; Precision 0.05%; High Precision 0.025%

### Weigh Better. Load Cells That Are Up to the Task

- VFDs?
- Ambient electrical noise?
- Long cable runs?
- Custom cable lengths?
- **No problem...** Eilersen's digital signal is immune to disturbances.



*Eilersen's BL Digital-Capacitive Load Cells are the Most Robust Beam Load Cells for Mobile BioProcess Weighing*

Ref: 07292403



## Safer, Easier, More Accurate Mobile Weighing

### Move Equipment Without Worries

Move fully-laden equipment such as tanks, totes, mixers, and other vessels without requiring re-calibration, lockouts, or cumbersome protection blocks. Fill them to the top. Bump into a wall. Roll over a threshold. Or, load a full tote onto a frame. Never worry about a deviation again!

### Commissioning & Service is Easy

Need to verify an installation? Eilersen's on-board diagnostics enable viewing of individual load cell performance and weight. No more guessing. Replace a damaged cable in the field with no re-calibration required. Intelligent Setup™ makes starting and calibrating new systems a breeze.

### AccuCart™ Mobile Weighing Systems

Featuring Eilersen Digital-Capacitive Load Cells, AccuCart is the most robust and versatile mobile-weighing solution in the industry for bag totes, tanks, mixers, and other vessels. We feature comprehensive options including pre-engineered systems to fit common industry bag totes and custom solutions. Below are just a few examples of our custom capabilities. Ask us about EilerCal and our optional battery backup system!



200L Drum

500L Rectangular

500L Cylindrical

900L Cylindrical

1000L Rectangular

2000L Rectangular

Stop paying for poor performers.  
Require the best. Eilersen.

### Ask Us About EilerCal!

EilerCal is a next generation load-cell calibration system that is portable, light weight, and uses no water or calibration weights.



For technical specifications  
and ordering information,  
please visit  
[acuityprocess.com/eilersen](http://acuityprocess.com/eilersen).

**Your BioProcess Solutions Specialists**  
Call us with your biggest challenges and we will deliver a new perspective.

Learn more about our products at  
[acuityprocess.com](http://acuityprocess.com)

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