



VPG Force Sensors
innovation



vLite™ technology best-in-class load cells at half the weight.

Strong on quality, light on weight, easy on the planet

Revolutionary vLite™ technology introduces a new, lighter era for load cells – lighter on materials and lighter on energy and costs for shipping and storage.

Leveraging patent-pending vLite™ technology, vLite™ load cells are constructed from aviation-grade aluminum, with an innovative hollow beam design instead of a solid bar. Using less material, they are about 50% lighter than comparable products, yet deliver the highest precision and reliability, while minimizing weight and material waste.

vLite™ products

vLite™ technology is available with a growing range of load cells from VPG Force Sensors and can be integrated in any single-point load cell and in custom-designed solutions. Providing the same fit, form and function (FFF) as traditional load cells, vLite™ load cells are interchangeable with equivalent load cells, enabling lighter-weight products.



Model 0022
Low-Profile
Aluminum Load Cell



Capacities: 10-40 kg
Single-point
350x350 mm platform

Model 0042
Medium-Profile
Aluminum Load Cell



Capacities: 10-50 kg
Single-point
400x400 mm platform

Model 0031
Medium-Profile,
Medium-Width
Aluminum Load Cell

Capacities: 10-40 kg
Single-point
350x350 mm platform

Model 0038
Medium-Profile,
Medium-Width
Aluminum Load Cell

Capacities: 100-300 kg
Single-point
400x400 mm platform
(coming soon)

VPG force sensors

Celtron • Revere • Sensortronics • Teda-Huntleigh

Certification:



Pending



Approved for
selected models

vLite™ advantages



Lightens the load

- Ideal solution for low-weight applications like portable scales
- Lower weight can reduce shipping and storage costs
- Exchangeable with equivalent standard load



Lighter environmental impact

- Less material and waste
- Lighter carbon footprint across the product lifecycle
- More sustainable disposal and recycling



Best-in-class quality

- VPG's renowned precision and reliability
- Peace of mind for smooth production
- 2-year warranty



Competitive differentiation

- Opportunity to stand out in the market
- Allows high-end positioning for machines
- Supports sustainability efforts

A lighter solution for varied applications



Postal and back-office scales



Retail scales



Packaging and filling machines



Infant and NICU scales

About VPG Force Sensors

VPG Force Sensors develops the world's most advanced force measurement sensors and solutions to deliver optimal performance and empower tomorrow's innovations. We provide the performance, precision, and expertise that only one of the largest load cell and transducer manufacturers worldwide can deliver. Our brands, Tedea-Huntleigh, Sentionics, Revere, and Celtron – all recognized as high-quality suppliers of weighing and force measurement products – are united under VPG Force Sensors, delivering a wide range of solutions, with total dedication to uncompromising quality.

Need help with a unique application?

At VPG Force Sensors, we've got decades of experience in developing custom transducer solutions for the widest range of applications. Our vLite™ technology can be used in customized solutions, depending on the specific application requirements.

Please contact our in-house Custom Solutions team to discuss your requirements: vpdfs@vpgsensors.com

VPG force sensors

Celtron ▪ Revere ▪ Sentionics ▪ Tedea-Huntleigh



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