

LONGER BATTERY LIFE



VPG 5k Ω load cells
Extending portable
scales' operation time

Give your customers
unprecedented freedom



VPG force sensors

Celtron • Revere • Sensortronics • Tedeo-Huntleigh

Discover the power of VPG 5k Ω load cells

More options, fewer limits

With the innovative 5k Ω load cells from VPG Force Sensors, your portable scales can operate longer between charges. Your customers can go further and achieve more with their battery-powered weighing devices while benefiting from industry-leading measurement accuracy and reliability.

The lowest power consumption in their class

Standard load cells typically feature a 350 Ω impedance bridge or, in some cases, a bridge with up to 1000 Ω . Going far beyond the norm, our 5k Ω load cells feature a 5000 Ω impedance bridge. This ultra-high impedance reduces load cell current consumption by as much as 70% and extends scale battery life.

Interchangeable with other models

VPG 5k Ω load cells have the same fit and form as comparable standard load cells. The only functional difference is the higher impedance. They are interchangeable with equivalent load cells, enabling drop-in replacement in most existing product designs.

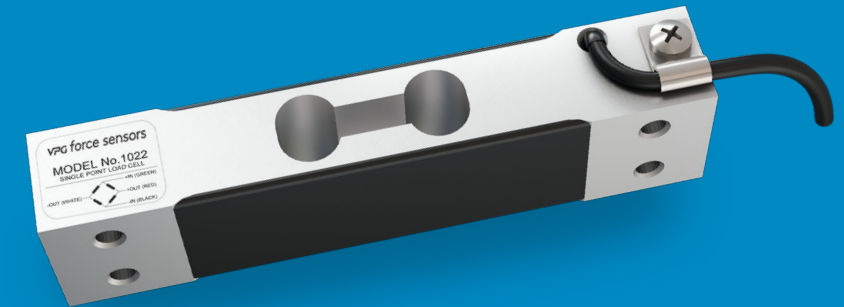
Adaptable to your needs

VPG 5k Ω is also available with customized load cell solutions to meet your unique requirements.

5k Ω products

Our 5k Ω line currently includes the following off-the-shelf models, available in varied capacities.

Model 1022 5k Ω
Single-Point
Aluminum Load Cell



Model 3410 5k Ω
Shear Beam Load Cell



Model 1022 5kΩ
Single-Point Aluminum Load Cell

NTEP

Item
01022-005K-D5-05F
01022-007K-D5-03F
01022-010K-D5-04F
01022-015K-D5-05F
01022-020K-D5-05F
01022-030K-D5-03F

Non-OIML

Item
01022-005K-G0-07X
01022-007K-G0-01X
01022-010K-G0-00X
01022-015K-G0-00X
01022-020K-G0-01X
01022-030K-G0-00X

Model 3410 5kΩ
Shear Beam Load Cell

Non-OIML

Item
03410-001T-G0-00X
03410-002T-G0-00X
03410-250K-G0-00X
03410-500K-G0-00X
03410-680K-G0-00X

* FM approved products are available upon request

Make VPG 5kΩ your advantage



Empower portable devices

- Reduces current consumption
- Extends device operation time
- Enables higher utilization



Extraordinary impedance, ordinary size

- 5000 Ω packed into standard load cell geometries
- Ideal for any battery-powered weighing device
- Interchangeable with equivalent standard load cells



High quality

- VPG Force Sensors' renowned precision and reliability
- 24 month warranty



5kΩ where you need it

- Available with custom load cell solutions
- Talk to our experts to explore the possibilities

Certifications



* OIML Approval pending

VPG force sensors

Key applications

The VPG 5k Ω solution is ideal for weighing applications in any battery-powered device.

Portable infant scales



Portable hospital scales



Bathroom scales



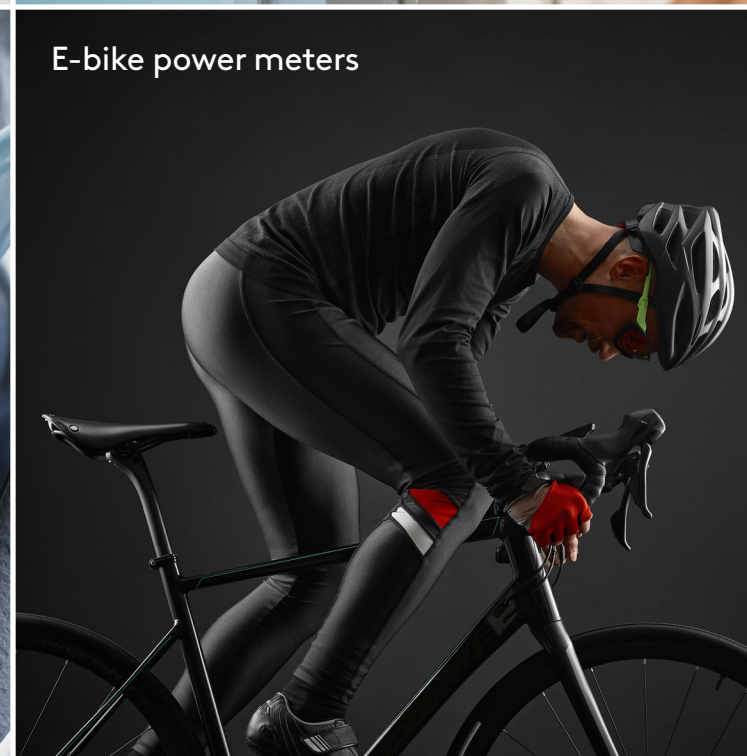
Portable legal for trade grocery scales



Kitchen scales



E-bike power meters



Manual forklifts



About us

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, Tedeo-Huntleigh, Sensortronics, 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 5kΩ technology can be used in customized solutions.

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

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