

# Weighing Sensors

Developed by the scale experts  
for all standard requirements and any other job,  
no matter how specialized

Whether you need conventional solutions for regular tasks or you want to weigh something in a difficult location, Schenck Process, provides you everything you need from the standard unit to the weighing sensors that are capable of turning practically anything into a scale all from one source. Accuracies range from  $\pm 0.05\%$  to the highest precision legal-for-trade C5 and C4 Mi-7.5 ( $\pm 0.01\%$ ); we can provide the accuracy that meets your needs. For low weight values from 5 kg (11.02 lbs.) to heavy weight values of 470 tons [metric]. Regardless of the environment where you intend to set up the weighing technology, we have the appropriate sensor for the most varied weighing forms and installation conditions. Be it hazardous area applications, environmental conditions that require protection types up to IP 68 or hot applications with temperatures of up to 150 °C (302 °F).

Entrust your weighing tasks to the inventors of load cells. Contact the weighing experts – experts who know their business and who understand your needs.

## Schenck Process Weighing Sensors



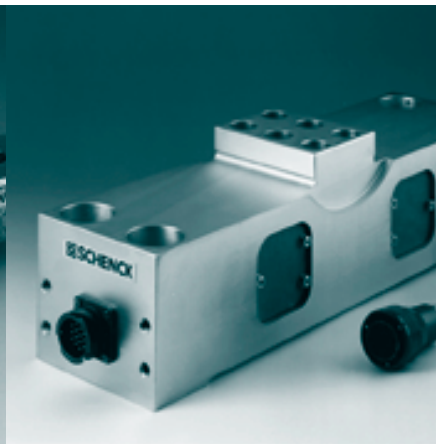
### RTB/RTN Ring Torsion Load Cells

Extremely wide application range. For example, used to reliably and very accurately check the filling of valuable bulk material in case of hopper scales.  
RTN Rated load: 1–470 t [metric]  
Accuracy classification:  $\pm 0.05\%$  to C5–C4 Mi-7.5  
RTB Rated load: 0,19–0,5 t [metric]  
Accuracy classification: C3 Mi-7.5, C6



### VBB Load Cells

Ideal for rated loads under 1t [metric].  
Reliable and calibrated accuracy.  
Rated load: 0.1–0.5 t [metric]  
Accuracy classification: D1–C4  
(not pictured: elastomer mounts)



### DWB Weighbeam

Direct weighing technology: the smart solution that can be easily screwed directly to the connecting construction without moving parts. This beam is used for special installation methods and rough environments – for instance in the pan turret of a steel mill.  
Rated load: 1–200 t [metric]  
Accuracy classification:  $\pm 0.3\%$  – 0.1%  
Custom design: 1–800 t [metric]



### DMA Measuring Eye

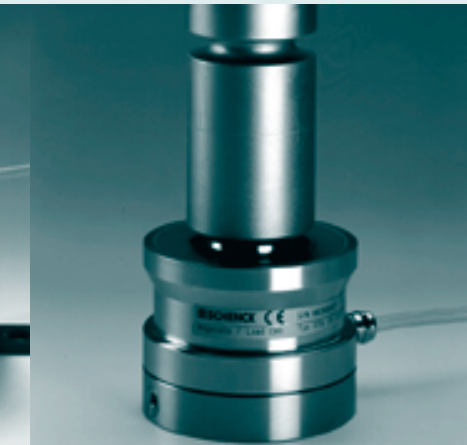
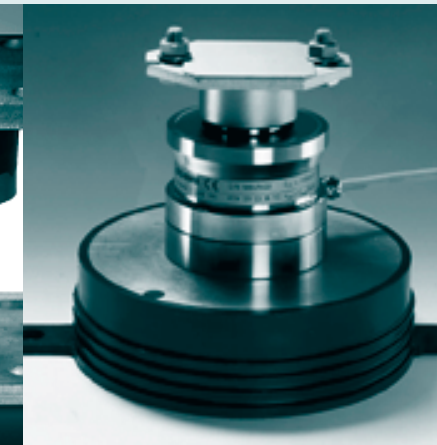
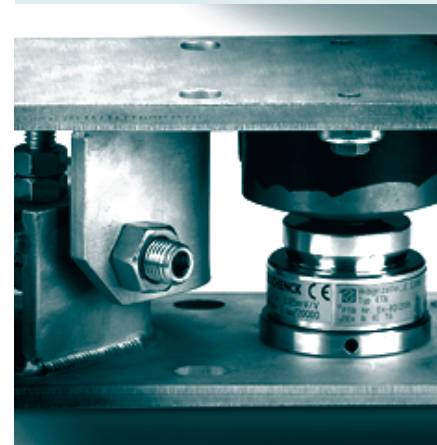
This sensor for recording forces and fill levels is easy to retrofit into existing structures. It can also be used in high-temperature environments, up to protective classification 68.

## The appropriate mount for every application

**DKM/VKN Compact Mount**  
Maintenance-free complete solution with integrated hold-down and pendulum limit.  
Rated load: 0,25–470 t [metric]

**DEM/VEN Elastomer Mount**  
Universal load cell mounts for various industrial scales.  
Rated load: 0,25–470 t [metric]

**VPN Pendulum Mount**  
Especially for difficult environments and highest accuracy.  
Rated load: 1–470 t [metric]



## Advantages

- ☒ Weighing sensors from experts
- ☒ Broad product range
- ☒ Special weighing sensor for every application imaginable
- ☒ Highly accurate and legal-for-trade weighing in any environment
- ☒ 24/7 Service, from delivery to the replacement part
- ☒ RTN load cells: Test certificate for legal-for-trade use in the EU, Switzerland, Czech Republic, USA, South Africa, Australia, and China.  
Other countries available upon request.

## Options and Additional Peripherals

- ☒ Varying cable lengths
- ☒ Explosion-proof versions with ATEX registration for hazardous areas (gas/dust)
- ☒ Specially adapted corrosion protection

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