



CentriFlow®

CentriFlow® Meter Features and Benefits



CentriFlow®



Accurate

Unlike existing technologies that calculate based on weight, belt tension or volume, the CentriFlow® Meter measures flowable solids in a process. This unique measurement ability allows the CentriFlow® Meter to have $\pm 0.25\%$ accuracy full scale on virtually all flowable solids, significantly improving industry standards.



Flexible

The CentriFlow® Meter is not affected by changes in product elasticity, density, shape, or friction. Fluctuations in flow rate don't impact its accuracy. The linearity of the zero friction formula gives our meter its ability to measure at various densities and turndown ratios while maintaining near perfect accuracy.

Solid Construction/Low Maintenance

Sturdy high-grade aluminum construction with stainless steel flow paths make the CentriFlow® Meter a very low maintenance instrument. It rarely requires re-calibration because there are no belts, no drives and no moving parts. In fact, the electronics are located outside the process stream in order to keep them safe from vibrations during the manufacturing process.

Plant Efficient Configurations

Designed to fit in just about any existing process with minimal changes, the CentriFlow® Meter is available in two configurations. The Type I Configuration is designed to attach to the end of existing horizontal conveyor belt systems. The Type II is designed for in-line vertical applications. Compared to alternative devices, the CentriFlow® is compact, extremely efficient in its space requirements, and doesn't require floor mounting.

Turndown Ratio

The CentriFlow® Meter has a maximum turndown capability while maintaining accuracy. The meter's unique design enables it to identify and cancel the friction component of the mass flow. The resulting signal is flow = mass rate, which is linear. The linearity allows the meter to work at $\pm 0.25\%$ full scale. This means it is not affected by the wide variances of process flow.

Continuous Measurement for Continuous Improvement

The CentriFlow® Meter's ability to provide accurate, real-time, continuous flow measurement allows you to optimize your process like never before. The ability to measure gives you the control to manage.

