

## WHY CHOOSE QUARTZELL™ TECHNOLOGY FOR YOUR COUNTING SCALE?

Conventional analog load cells and other transducer technologies on the market today simply cannot offer the same level of precision as the Quartzell.

With its 1 billion internal count resolution and unique case design, the Quartzell within the Avery Weigh-Tronix ZK830 delivers outstanding accuracy across a wider weight range.

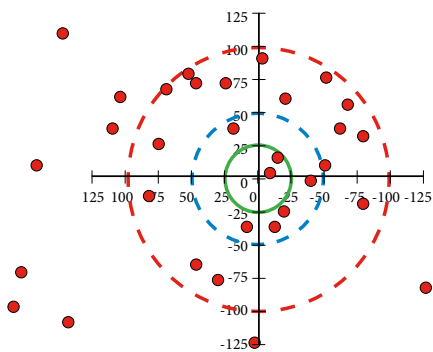
From micro components to larger items, the ZK830's high precision Quartzell transducer counts with an accuracy not seen in other weighing scales in its class.

We put four different load cell technologies to the test and found that the ZK830 consistently achieved an unrivaled level of accuracy. The cells were tested using 7g as a sample weight, calculating the error found in 10,000 parts (equal to 7kg).

### Analog counting scale limitations

Used in most low-end affordable counting scales, analog scales are used for weighing larger parts or when accuracy is not crucial for the customer.

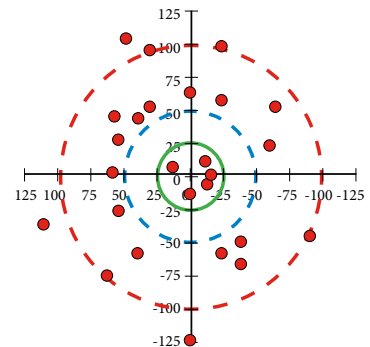
**Lowest recorded accuracy: 90%**



### Capacitive counting scale limitations

Very linear with reasonable internal count resolution. Limited when accurately counting a wider range of smaller parts.

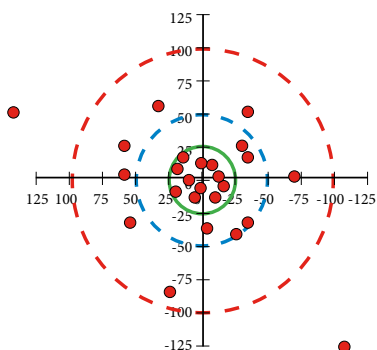
**Lowest recorded accuracy: 98.8%**



### Force motor counting scale limitations

Used mostly in lab balance, can accurately count a wider range of parts both small and large - but can easily damage if overloaded or shock loaded.

**Lowest recorded accuracy: 99.5%**

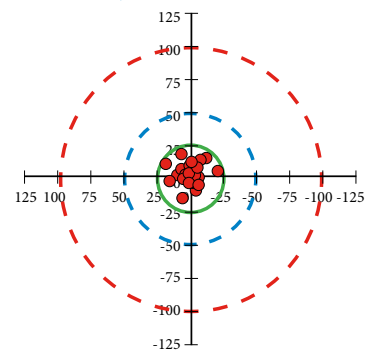


### ZK830 Quartzell counting scale

Outperforms all other counting scales currently on the market. Provides a sample accuracy of greater than 99.75%, making it possible to accurately count a very wide range of parts on one scale.



**Lowest recorded accuracy: 99.75%**



**Key:** Red outer ring: 99% accuracy. Blue middle ring: 99.5%. Green inner ring: 99.75% accuracy.