

Restart: Basic, Count, Count+, Smart+

In this demo we use 4-Series BASIC

The “Restart” feature of the 4-Series scales is for tracking the zero and tare values in the case of a power outage. When would you want this feature? An important time to use this feature is when dispensing materials into a container. Another important time is when the container gross weight is greater than the scale power up zero range, this is particularly an issue if the scale is inside a machine or very large and can't be moved without great inconvenience. If you lose electrical power the zero and tare values are cleared, and reset at power up.

Example A: The operator uses a container and manually adds material to the container.

- Operator zeros the scale with the zero key, the scale shows zero.
- Operator loads the empty container on the scale.
- Operator touches the tare key, the scale shows 0.0000 kg net.
- Operator dispenses material into the container
- The scale loses power before the material dispense is completed.

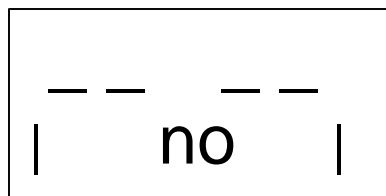
At this point the operator has two options, he can leave the container on the scale or remove the container from the scale.

- If he leaves the container on the scale, the scale will do one of two things.
 - Power up capture zero – and show zero weight gross, in which case the operator does not know how much material is in the container.



A rectangular box representing a scale display. Inside the box, the text "0.0000 kg" is centered. The "0.0000" is in a larger font than the "kg".

- Power up outside the zero capture range and not show a weight at all, in which case the operator must remove the container to zero the scale.



A rectangular box representing a scale display. Inside the box, the text "no" is centered. Above "no" are four short horizontal dashes. On either side of "no" are vertical bars, one on the left and one on the right.

- After loading the container back on the scale he still does not know the net weight of the material.

2.7680 kg

- Either way, we do not know the **net** weight of the material

This is where the RESTART feature is useful.

Here is how our scenario works if we had RESTART turned on.

- Operator zeros the scale with the zero key, the scale shows zero.
- Operator loads the empty container on the scale.
- Operator touches the tare key, the scale shows 0.0000 kg net.
- Operator dispenses material into the container.
- The scale loses power before the material dispense is completed.
- The power is restored.
- The scale display shows the net weight value, for example 1.6450 kg

NET
1.6450 kg

- Operator resumes the dispensing

The restart feature is also useful for operations where the weighing is conducted over a long period of time, usually unattended, where material is added or discharged slowly.

Setup for 4-Series Basic

Setup / SCALE / RESTART / ON / End / Save – yes.

End of demo.