



SpeedPod

INSTALLATION/SOFTWARE/USAGE

Q: Question

What does the “Self Closing Limit” setting do? When should I use it?

A: Answer

“Self Closing Limit” is a setting for **True Value Closing Speed** (and Closing Energy, with EnergyPod) measurements. Its intended purpose is to make True Value Mode remain usable when measuring doors that are self-closing or “soft close”.

Normally, True Value Mode requires a “Gap” – the minimum difference between lowest-closed and highest-not-closed door speeds – to complete a measurement. As such, both Latched and Not Latched results are required.

If, however, a “not-latched” result is *never obtained*, the measurement process will continue indefinitely. To avoid this, the Self Closing Limit setting can be used to end the measurement early.

This setting is found in the “Profile Settings” panel of MyPod, under the relevant measurement’s tab (here, “Closing Speed”), in the “True Value Mode” box:

A screenshot of the 'TRUE VALUE MODE' settings panel. It contains three settings, each with a text label on the left and a numeric input field with up/down arrows on the right. The settings are: 'Gap Tolerance : 0.2 m/s', 'No. of Gaps : 3', and 'Self Closing Limit : 0.2 m/s'. The panel has a dark gray background with white text and input fields.

TRUE VALUE MODE	
Gap Tolerance :	0.2 m/s
No. of Gaps :	3
Self Closing Limit :	0.2 m/s

Here, the user can enter a desired minimum Closing Speed threshold value.

**If the active Profile is not in True Value Mode, this setting will be grayed out and uneditable.*

When taking a True Value Mode measurement with the Pod device, multiple speed values will be acquired (one per closing effort).

The *first time* a speed below the set Self Closing Limit is obtained, the measurement result will be calculated *immediately, regardless of the latch status*.



At that time, the reported Closing Speed result will be the average of:

- 1) the speed that was just measured, and
- 2) the existing “lowest-closed” speed of the current measurement process thus far.

Example:

- Self Closing Limit is set to 0.5 m/s. Gap Tolerance is 0.1 m/s.
- The user mounts their SpeedPod and starts a True Value Mode measurement.
- The reported speeds of the first three closing efforts are **0.6**, **0.7**, and **0.8** m/s, all Latched.
- On the fourth attempt, the door closes with a Closing Speed of **0.4** m/s, *also Latched*.

Note that this is the first result *below* the Self Closing Limit setting value ($0.4 < 0.5$).

- At that time, the Gap Value is immediately calculated to be **0.5** m/s (average of 0.6 and 0.4), even though no Not-Latched results yet exist.
- Even though the current Gap width exceeds the Gap Tolerance ($0.6 - 0.4 = 0.2 > 0.1$), the measurement is terminated, and 0.5 m/s is reported as the True Value measurement result.

Notes:

- This setting should only be used when measuring a certain door or door type that *will always close*, i.e., a “not-latched” closing effort is impossible.
- The setting is technically always enabled, but can be effectively disabled by entering an arbitrarily low value (for example, 1 mm/s).
- The value of the Self Closing Limit setting represents the speed of *only one closing effort* and is independent of Gap width or Gap Tolerance.