

Thermo Scientific VersaWeigh® Power-User Option Pack

Key Words

- VersaWeigh
- Power-User
- Option Pack
- Statistics

A number of advanced user options are bundled together into the 'Power-user' option pack, which provides advanced statistics and graphs to expand checkweigher capability. It is more efficient and cost effective to purchase this option pack as compared to purchasing combinations of individual options.

Expanded product memory

The standard VersaWeigh 300 product comes with capacity for 100 different products (recipes). This allows product parameters, reject settings, calibration data etc. to be saved for 100 different products. The expanded product memory allows up to 400 different products. VersaWeigh's standard features assist in managing these products including sort/search by name, weight or product number. The VersaWeigh will also export/import product parameters to/from USB memory stick.

Advanced Statistics Pack

The standard 3-Zone VersaWeigh configuration supports basic statistical reporting. This includes counts and weights, by zone, average weight and standard deviation or accepted packs, total count, accept and reject count on a batch/lot basis. The advanced statistics package expands this to provide:

- Long-term statistics - in addition to the batch/lot statistics.
- Product giveaway - (in weight and value or percent.)
- Average and standard

deviation for all packs - provide statistics for process control.

- A suite of graphs, including:
 - Histogram/bell-curve, showing weight distribution.
 - Line utilization, showing line throughput as a percent of target throughput.
 - Trend, showing how the short term average has varied over time.
 - X-Bar-R, showing both the average trend over time and the range of weights in the same time intervals.
 - Pie chart, showing percent of packs categorized into each weigh-zone, by package count or by accumulated weight.
 - Yield showing what percent of throughput has been accepted by the checkweigher and graphed over time.

See also the 'VersaWeigh Options Definition – Advanced Statistics' document number PI.0053.0807 for more explanation of Advanced vs. Basic statistics and example screenshots.

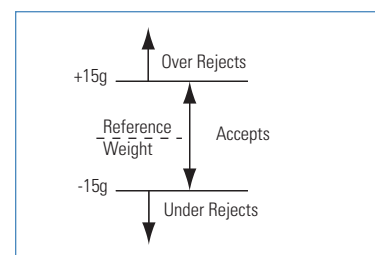
Consecutive rejects output

This reject output configures an alarm condition if more than a specified number of packages are rejected consecutively. The number of packages to be considered for this alarm condition can be specifically configured by the user.

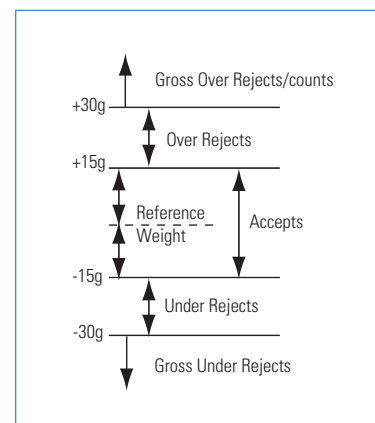
Five weight zones of classification

The standard VersaWeigh product classifies all products into three weight zones: generally 'OK' packs, 'underweight' packs and 'overweight' packs. Total counts are reported for each of these zones.

The five zone option expands the classification to include two additional weight zones. One for "gross" underweights, the other for "gross" overweights. This does not change the way most checkweighers operate but provides more useful information to the user by allowing more granularity in the data easily available. For users in some jurisdictions (e.g. most countries in the EC) the five zones of classification are required to ensure compliance with weights & measures packaging laws.



3-Zone Operation



5-Zone Operation

Simulator Software for a PC

The VersaWeigh software is WindowsXP®-based application so it can be run on a regular PC. This option provides a copy of both the system software and a simulator program. It generates weight data so the entire checkweigher operation can be simulated on a PC for training purposes. Additionally, this option includes the necessary software and information to allow a laptop PC to be temporarily used as the checkweigher HMI when connected to the weigh-engine in place of the included HMI.

Note that reject timing information in the VersaWeigh can be set to 'global' (the same for all products, invisible to the operator) or 'product relative' – individual for each product.

For More Information

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