

WEIGH-TRONIX

Optional 3275 Statistics Packages for Quality, Quantity and/or Process Control

Statistics Package No. 1—Standard Deviation Program

This program allows the 3275 to operate like a standard 3275 checkweigher. In addition it allows the operator to select the number of samples to be weighed; it prints sample weights and provides analysis of the samples.

The process is simple:

1. Set target and tolerance values as usual.
2. Press SETUP key and then the TEST key. The 3275 will display the previously selected number of samples.
3. Use the OVER or UNDER keys to scroll the display to the desired sample size (0 to 999). A selection of "0" will continue to collect sample data until the print key is pressed.
4. Press ACCEPT key to enter the new sample size.
5. Begin sample weighing. When the selected sample size is reached, the following statistical information will automatically print:

The value of each weightment (the deviation from target, if selected.)

The over tolerance

The under tolerance

The accept value

The number of weights over tolerance

The number of weights under tolerance

The number of weights within tolerance

The average weight

The highest weight

The lowest weight

The standard deviation

The coefficient of variance

The number of samples taken

Sample Printout:

RESET

0.300 lb

0.312 lb

0.310 lb

0.210 lb

0.510 lb

OVER = 0.010 lb

UNDR = 0.020 lb

ACPT = 0.300 lb

OVER = 2

UNDR = 1

ACPT = 2

AVG = 0.3284 lb

HIGH = 0.510 lb

LOW = 0.210 lb

SD = 0.110

CV = 33.5%

SS = 5

RESET

Note: The 3275 does not have to be hooked to a printer at all times. It will store all information necessary to print the statistical values. Individual sample weights are printed only if the printer is connected to the scale and is set to print at all times.

Note: The features listed below are unavailable with the Standard Deviation Program.

- Remote keypad operation
- Weigh meter diagnostics
- RS-485 operation
- 1155I printer interface
- Bidirectional RS-232 option

Statistics Package No. 2 \bar{x} /R Program

With this software package, the 3275 does not operate as a checkweigher. Instead it prompts the operator to enter information necessary for calculating \bar{x} and R values.

During setup, the operator enters:

Target value of the item to be checked.

Limit, which is a single value applied equally as an over and under limit

Sample size, the number of weighments (2 to 300) to be taken before the 3275 automatically calculates the \bar{x} and R values and checks for trends.

Data to print— \bar{x} and R and trend messages will always print. Operator selects whether to print individual weights from the sample.

During the sampling procedure, the scale display prompts the operator to place items on the scale. When the final sample is weighed and removed from the scale, the scale feeds the following data to the printer:

Individual weights (if selected)

\bar{x} and R values

Trend message

Note: The features listed below are unavailable with the \bar{x} /R Program.

- Remote keypad operation
- Weigh meter diagnostics
- RS-485 operation
- Model 1155I Printer interface
- Bidirectional RS-232 option

Sample Printout:

```
LIMIT = 0.2 oz
TARGET = 4.0 oz
        3.5 oz
        3.9 oz
        4.0 oz
        3.6 oz

 $\bar{x}$  = 3.8 oz  R = 0.5 oz
      2 of 3
```



Weigh-Tronix

1000 Armstrong Dr.
Fairmont, MN 56031 USA
Telephone: 507-238-4461
Facsimile: 507-238-4195
e-mail: industrial@weigh-tronix.com
www.weigh-tronix.com

Weigh-Tronix Canada, ULC

217 Brunswick Blvd.
Pointe Claire, QC H9R 4R7 Canada
Telephone: 514-695-0380
Facsimile: 514-695-6820

WEIGH-TRONIX

Weighing Products & Systems