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Non Automatic Weighing Devices	Issued: 2004-03-01	Revision Number: Original	

STP-12 FREE FLOATING WEIGHT SIGNAL

REFERENCE

Sections 19, 32, 33 and 55 of the Non Automatic Weighing Devices Specifications.

PURPOSE

To ensure that the displayed net weight and total price are free floating. That is, when the scale display's a unit price, a weight and a total price, if the weight or the unit price is changed the total price must change accordingly. All applicable tests to be performed.

PROCEDURE

Price computing scale

- Place a load on the platter.
- Enter a unit price; a total price is now displayed. Ensure that the indicated monetary value is in mathematical agreement with the weight and the unit price, to the nearest cent.
- Increase the load on the platter; the total price must increase accordingly.

Scale equipped with a tare display

- Enter a keyboard or a platter tare value.
- Place a load on the platter that is greater than the value of the tare; the scale display's a gross weight, a tare weight and a net weight.
- Ensure that the gross, tare and net weight values are in exact mathematical agreement.
- Change the tare value; the net weight should change accordingly.

Computing Scales and POS systems - Against a Price Lookup Code (PLU)

- Determine the keying sequence necessary to cause the device to compute a final price using a preprogrammed PLU code.
- Place a load on the platter.
- Key in the complete sequence except the last keystroke required for price computation.
- Change the load on the platter.
- Operate the final keystroke to initiate price computation.

POS systems - Against a Manually Scaled Item

- Determine the keying sequence necessary to cause the device to read the scale; allow the operator to enter a price per unit (\$/kg) and , if applicable, a department code; then compute a final price.
- Place a load on the platter.
- Key in the complete sequence except the last keystroke required for price computation.
- Change the load on the platter.
- Operate the final keystroke to initiate price computation.

INTERPRETATION OF RESULTS

In all circumstances, mathematical agreement must be maintained.

POS systems must either compute total prices using the load on the scale at the time of the final keystroke, produce an error signal or lock out to prevent any price computation.

REVISION

Original document