

These weighing indicators are designed for verified scales and there are a great number of functions to meet all applications..

The calibration is described in the document B01950, where also documents needed for special functions are mentioned.

If not the stainless case is used, the indicators are sensitive for high humidity, and must thus be used in dry environments. Fast temperature change may temporarily disturb, and especially lowering the temperature may result in condensation.

The protection against interference from external EMI sources is excellent, but UHF transmitters (e.g. wireless telephones) may interfere in short distances.

The load receptor must be placed in a stable location, where shocks and vibrations are minimized. At calibration the attenuation of unstable signals may be increased at the expense of speed.

It is possible with multi interval indication, e.g. interval 0.1kg up to 300kg, 0.2kg up to 600kg and 0.5kg up to 1500kg. In this way the influence from vibrations and temperature change is smaller, than if 0.1kg interval was used in all the range.

The display is blanked when the weight exceeds full scale or passes below zero.

At power on, the following is displayed: Program number and date, ymmdd, where y is the last digit of the year, mm month and dd day.

Display test. All segments are switched on and off 5 times. After this the weight is displayed in gross mode.

FUNCTION INDICATORS

COUNT PCS The number of pieces is displayed.

ZERO Indicates that the weight is within $\pm 1/4$ of a scale interval from zero. (00000 is displayed up to $\pm 1/2$ of a scale interval from zero.)

NET Indicates the net value. Zero tracking or automatic zero setting does not work.

MOTION Indicates that the displayed weight is not stable. Various conditions may be chosen at calibration e.g. the last digit is blanked at motion and print or tare is performed when the weight is stable.

MULTIPLE RANGE INDICATION. VERIFIED SCALES.

- Range 1 (lowest). No indication.
- Range 2 Right lower indicator on.
- Range 3 Right upper indicator on.
- Range 4 (highest) Both indicators on.

Multiple range for verified scales may autorange up. Downrange is allowed at zero indication. This can be done by pushing ZERO. Insignificant 0 in a decimal must be blanked. E.g. the interval 1 may not be displayed as 1.0.

Not verified scales do not have these restrictions..

KEYBOARD

{x} in the following means, that the button x on the keyboard is pushed.

{ZERO} Sets the indicator to zero and resets tare, if the signal is within -0.8% and +3.1% of full scale. When pushed, the deviation from the calibrated zero is displayed. This is a good way to check the condition of the scale, because the zero signal can be changed at heavy overload, blows, shocks and also high humidity during long times.

The indicator is normally automatically set to zero by zero tracking or setting.

At power on, the scale must not have any load, and if ZERO is not on, be set to zero by {ZERO}.

{PRINT/TEST} Print command. When further pushed, the display switches on and off.

Normally the print command is performed when the motion indication has disappeared.

{F} Is used for special functions.

{COUNT} Suggests 0, 1, 2, 5, 10, 20, 50 or 100 pieces for the unit weight calculation in counting mode. The button must be released at the appropriate number on the load receptor. At 0 the previous unit weight is used.

{COUNT} again returns to normal weighing mode.

Always autotare immediately before the pieces are put on the load receptor because, in net mode, there is no zero tracking, which may disturb at small unit weights.

{NET/GROSS} Switches between net and gross weight.

{TARE} Autotares, i.e. subtracts the weight on the load receptor, and the indicator thus displays net 00000. Autotare only works when MOTION is off.

A preset tare is entered in the following way. Note! At multiple range the range changes with tare.

{F} {TARE} enters preset tare mode. The **NET** indicator blinks.

{NET/GROSS} selects the digit position and {COUNT} increments the digit value of the wanted tare weight.

{TARE} or {PRINT/TEST} leaves the mode and tares with the entered value. {PRINT/TEST} also prints.

POWER

When line operated, the power shall be left on, in order to get the highest stability.

NOTE! The load cell (load receptor) cable shall not be removed or inserted with power on the indicator, as this may destroy the input amplifier.

PEAK VALUE

This function must be chosen at calibration. It replaces the counting function. The gross value is used.

{COUNT} switches between max value, min value and normal weighing.

COUNT PCS blinks for max value and is continuously on for min value.

{ZERO} resets the max or min value respectively, when displayed.

SETPOINTS

By pushing {ZERO} and {TARE} simultaneously it is possible to enter 2 setpoints (must be an even number). First setpoint 1 is displayed and after {ZERO} setpoint 2, which is indicated by **COUNT PCS** on. {ZERO} shifts between the setpoints. {NET/GROSS} selects the digit position of the data. In sign position, the **NET** indicator blinks. {COUNT} increments the digit value and changes sign at setpoints. {F} {F} leaves the mode.

