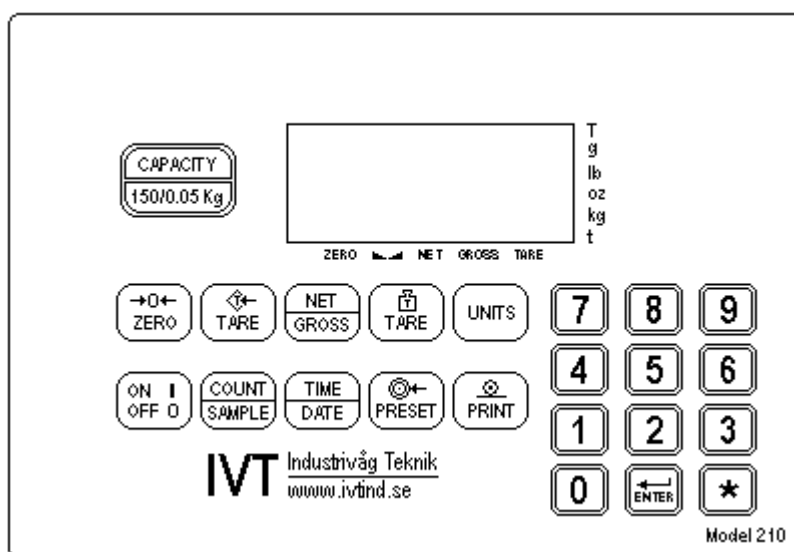


KEYPAD FUNCTIONS

The model **210** is equipped with a 22-key keypad. The keypad is used to enter commands and data into the instrument. This section describes each key along with its normal function. It is helpful to refer to the actual instrument while reading this section.



The membrane keypad is not to be operated with pointed objects. Damage to keypad resulting from this practice is NOT covered under warranty.



ON/OFF KEY

This key performs two functions.

- Pressing it when the indicator is off will apply power to the instrument.
- If the indicator is already on, pressing this key will turn the indicator off.



ZERO KEY

This key causes an immediate zeroing of the weight display up to the selected limit of 4% or 100% of the scale's capacity. Note that this selection is made during the setup and calibration of the instrument.

If the weight reading is unstable, the command will be ignored.



TARE KEY (with arrow)

This key is a dual function key. Pressing the **TARE** key alone will store the current gross weight as the new tare weight and cause the weight display to change to the net weight display mode. Pressing this key after entering a numeric value will cause the value entered to be accepted as the new tare weight.

Note: Tare weights equal to or greater than scale capacity cannot be entered. In addition, the keypad tare weight division value must be the same as the scale division value.



NET/GROSS KEY

This key is used to toggle between net and gross weight modes. The selected mode is indicated by turning on the appropriate annunciator on the display. Note that if no valid tare weight has been entered, pressing this key will cause a momentary "**notare**" display error and the indicator will remain in the gross weight mode.



TARE KEY (with weight symbol)

Pressing this key will display the current tare weight for three seconds.



UNITS KEY

This key is used to select the units in which the weight is to be displayed. The available units of measure are enabled or disabled in setup. If only one unit of measure is enabled the command is ignored.



COUNT/SAMPLE KEY

This key performs two functions. The first time it is pressed, the indicator will count (unless piece weight is 0). The second time it is pressed (or if pcwt=0 on the first press) it will show the prompt "**ADD = 5**" on the display. Continued pressing of the key will toggle between the ADD=5, 10, 25, 50, 75 prompts to select a sample size. When desired sample size is displayed, press the **ENTER** key or with "ADD=XX" displayed, using the numeric keypad, key in any desired sample value, then press the **ENTER** key. Press the **ASTERISK** key to abort the input operation. To exit the count function and display weight, press the **NET/GROSS** key.



TIME/DATE KEY

This key is used to enter the clock mode to program the time, date and consecutive number. Pressing the **TIME/DATE** key will enter the clock mode with the 210 displaying "**HOOR =**".

With the display showing "**HOOR =**", press the **ENTER** key.

If the time displayed is correct, press the **ENTER** key.

If the time displayed is incorrect, use the numeric keys to enter the correct time and press the **ENTER** key.

The display will show "**DATE =**". Press the **ENTER** key.

If the date displayed is correct, press the **ENTER** key.

If the date displayed is incorrect, use the numeric keys to enter the correct date and press the **ENTER** key.

The display will show "**CnC n =**". Press the **ENTER** key.

If the consecutive number displayed is correct, press the **ENTER** key to resume normal operation. If the consecutive number displayed is incorrect, use the numeric keys to enter the correct consecutive number (up to 6 digits) and press the **ENTER** key to resume normal operation.



PRESET KEY

This key is used to enter the weight values for the three preset weight comparators or for the checkweigher feature depending on which feature was selected during setup and calibration.

Preset weight comparator :

Press the **PRESET** key, the display will show "**PSet 1 =**" and the PWC1 annunciator will flash. Press the **ENTER** key, the display will show the currently stored value for the number 1 preset weight comparator.

If the value displayed is acceptable, press the **ENTER** key, otherwise, use the numeric keys to enter the new preset value and press the **ENTER** key.

Repeat the steps above for preset weight comparator 2 and 3.

Checkweigher :

If the checkweigher feature was selected and the **PRESET** key pressed, the ACCEPT and UNDER annunciators will flash and the preset value for the minimum acceptable weight will be displayed. Press the **ENTER** key if the displayed value is correct or use the numeric keys and enter a new value and press the **ENTER** key. The ACCEPT and OVER annunciators will now flash and the display will show the minimum value of weight over the accepted range.

As before, if the value shown is correct, press the **ENTER** key. If the value is incorrect, enter the new value and press the **ENTER** key to save it.

Note that both the preset weight comparators and checkweigher functions operate on the absolute value of the weight ignoring the polarity.



PRINT KEY

Pressing this key will add the displayed gross or net weight or piece count to the associated accumulator and initiate the transmission of weight and other data via the selected printer output port.

Note that the indicator will not respond to the print command unless the weight display is stable. If displaying gross weight, the only weight printed is gross weight. If displaying net weight, the gross, tare and net weights are printed.



ASTERISK

This key is used in conjunction with other keys to access additional indicator features. These features and their associated key combinations are as follows.



This combination will display the Net accumulator.



This combination will print the Net accumulator.



This combination will clear the Net accumulator.



This combination will display the Gross accumulator.



This combination will print the Gross accumulator.



This combination will clear the Gross accumulator.



This combination will display the Piece count accumulator.



This combination will print the Piece count accumulator.



This combination will clear the Piece count accumulator.



This combination will enter the Test mode.

The Test mode is used to conduct a test of all display elements. The test consists of five cycles, each lasting about one second:

- All horizontal segments will turn on.
- All vertical segments and decimal points will turn on.
- All annunciators will turn on.
- All display elements off.
- The model number and the software version.
- Calibration numbers (C1 to C4).



This combination is used to change the selected print ticket format.

The display will show "**Prt =**". Press the **ENTER** key to show the current value. If the setting displayed is acceptable, press the **ENTER** key again to save it. Otherwise, use the numeric keys to enter the new setting, then press the **ENTER** key to save it. Allowable values are :

0 = Print tab settings **1** = VisualPrint format 1 **2** = VisualPrint format 2

In addition to using the **ASTERISK, PRINT** key combination to change the print ticket format, the operator can change the ticket format by pressing the desired format number (0, 1 or 2) followed by pressing the **PRINT** key.

Annunciators

Annunciators are turned on to indicate that the display is in the mode corresponding to the annunciator label or that the status indicated by the label is active. The annunciators flash on and off to indicate that the 210 is waiting for an input from the keypad for the mode indicated by the flashing annunciator.

ZERO

The ZERO annunciator is turned on to indicate that the weight is within $\pm \frac{1}{4}$ division of the center of zero.

STABLE

The STABLE annunciator is identified with two small triangle shapes and is turned on when the weight display is stable.

NET

The NET annunciator is turned on to show that the displayed weight is the net weight (gross weight less tare weight).

GROSS

The GROSS annunciator is turned on to show that the displayed weight is the gross weight.

TARE

The TARE annunciator is turned on to show that the displayed weight is the tare weight.

LO BAT

The LO BAT annunciator is used with the battery operation and will turn on to indicate that the battery has less than one hour useful life before recharging will be required.

UNDER/PWC1

This annunciator is used to signal that the displayed weight is either less than the minimum value of acceptable weight used in the checkweigher feature, or equal to or greater than the weight value stored as preset number 1 in the preset weight comparator feature.

ACCEPT/PWC2

This annunciator is used to signal that the displayed weight is either within the acceptable weight limits used in the checkweigher feature, or equal to or greater than the weight value stored as preset number 2 in the preset weight comparator feature.

OVER/PWC3

This annunciator is used to signal that the displayed weight is either equal to or greater than the maximum value of acceptable weight used in the checkweigher feature, or equal to or greater than the weight value stored as preset number 3 in the preset weight comparator feature.

T

The T (tons) annunciator is located to the right of the weight display and is turned on to show that the displayed weight unit is tons.

g

The g (grams) annunciator is located to the right of the weight display and is turned on to show that the displayed weight unit is grams.

lb

The lb (pounds) annunciator is located to the right of the weight display and is turned on to show that the displayed weight unit is pounds.

oz

The oz (ounces) annunciator is located to the right of the weight display and is turned on to show that the displayed weight unit is ounces.

kg

The kg (kilograms) annunciator is located to the right of the weight display and is turned on to show that the displayed weight unit is kilograms.

t

The t (tonnes, metric tons) annunciator is located to the right of the weight display and is turned on to show that the displayed weight unit is tonnes.