



This document is intended as a quick user guide for the i 20 Indicator.

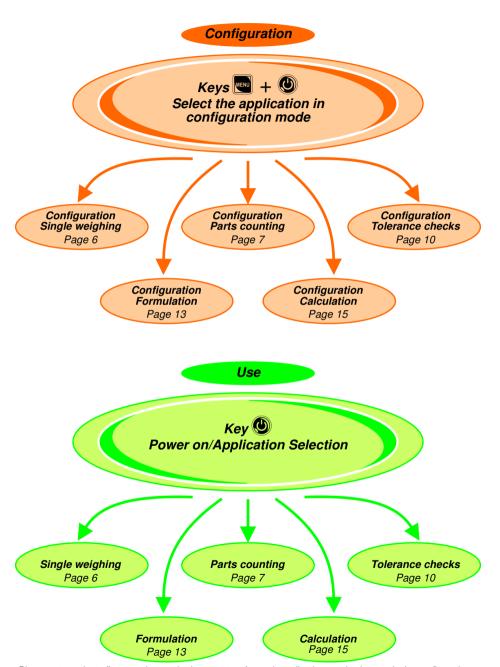
It allows a quick start of the device. For electrical connection and installation, refer to the following manuals:

- Wiring block diagram: 04-50-00 DD
- Installation Manual: 04-50-00 MI
- User manual: 04-50-00 MU

Safety

Standard NF EN 60 950 requires that instruments are connected via a power outlet and that the outlet is in close proximity to the instrument. An easily accessible isolator device must be installed when the instrument is permanently connected to the mains.





Please note: prior to first use, the required parameters for each application need to be set via the configuration menu.

General overview

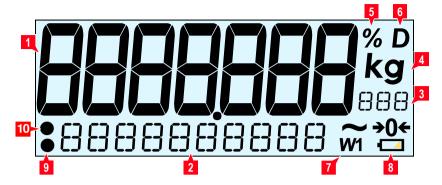
Keyboard



	Function		
	On / Off	Press and hold to turn the indicator on/off.	
	Application / Metrology	Toggles between the two operating modes.	
ESC	Escape	Exit a menu or abort current data entry without saving.	
MENU	Menu	In operating mode, provides access to the configuration menu for the current application.	
MENU +	Configuration mode	Press both keys to power up the indicator in configuration mode.	
	Confirmation	Enter menu or accept current data entry.	
8 • 4 6 2 •	Directional keys	Navigation keys for menus and lists. Indication < > in the help area.	
09C	Numeric keys and cancel		
→ T ←	Taring or zeroing		
Σ	Totalizing the batch		
	Print	If printer is connected.	



Garage Screen



		Function		
	Title / Symbol	Use		
1.	Data area	Display digital data: weight, number of pieces, calculated data.		
2.	User area	User prompts.Bar display analogue output.		
3.	Assistance area	 NE T indication if tare taken into account. Addition to unit. Indication of valid keys. See detail below. 		
4.	kg g t lb	Unit.		
5.	%	Formulation application : Proportion of one ingredient. (Replaces the unit.)		
6.	D	 Applications: Symbol D displayed. The displayed weight is not a metrological reference. Metrological screen No symbol. The displayed weight is not a metrological reference. 		
7.	W1 W2	Weighing range 1 or 2 is active.		
_	~	The weight is "in motion".		
	→ 0←	The weight is in the zero and setting range.		

		Function		
	Title / Symbol	Use		
8.	0	Battery charge :	0 - 10 %	
	•		10 - 30 %	
	•		30 - 60 %	
	-		60 - 100 %	
9.	•	Confirmation of the key press of a button.		
10.	•	Counting application: : Unit weight too low compared to the resolution of the instrument.		



Language

PARAMETERS / LANGUAGE

Select French or English.

Display device

 PARAMETERS / JISPLAY / ECO MOJE enables setting of standby mode:

ПИ	 Turns off the backlight after 30 seconds of inactivity, weight to zero. After 1 hour of inactivity, weight to zero, the indicator turns itself off.
OFF	No standby mode.

- PARAMETERS / JISPLAY / JRIGHTNESS allows adjustment of backlight intensity: 3 level settings.
- PARAMETERS / JISPLAY / COLOR selects the screen background colour: : 7 colour choices.





When the configuration parameters have been changed, the changes can be saved in two ways :

(1) returning to the highest level in the configuration menu:



The SAVE option screen is displayed for about 1 s, the operator is prompted to save the modified parameters Yes or No.



Select ND to return to the configuration menu without saving the modified parameters.



Select YE5 to return to the configuration menu and save the modified parameters.

(2) by pressing **.**Similarly, the **SRVE** option screen is displayed for about 1 s, then the choice whether to confirm or not confirm the modified parameters is proposed.



Select $\mathbb{N}\square$ to abort changes prior to power off.



Select **YE5** to save changes prior to power off.

After configuration changes, the system re-starts with the same selected application at power up.

The operator may at any time make changes to the configuration of the selected application. In order to do this the indicator must be re-started in configuration mode.

Single weighing

Configuration

- 1. Select the function SIMPL WT in the configuration menu. (LOGIN / OPERATOR / APP/ SELECT APP / SIMPL WT).
- 2. Select the PRINT MODE parameter.

This parameter selects the recording mode for each weighing:

- STABILITY ⇒ when "no motion" is detected.

Both menus below are only active if $\texttt{STRBILITY}\$ mode is selected, otherwise they are disabled.

- AUTO BATCH \Rightarrow YES /NO. To start a batch automatically.
- PROINTHRESH⇒ Piece presence threshold.
- PERICIII ⇒ automatically after a period.

The menu below is only active if PERIDDIC mode is selected, otherwise they are disabled.

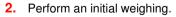
 PERIDI ⇒ enter the Printing Period in minutes (from 1 to 60).

Operational mode

 When turning on the i20 the simple weighing mode is active.

The active keys are:

- Set tare/zero.
- Print the result of the current operation.
- **!** Record the batch weighing.
- ©: Undo the last batch weighing.
- End of batch



The weighing result is displayed (A) as well as the weight in high resolution (B).

3. If a printer is connected, print the current weighing (3).

Once printed, a new operation can be performed.







Parts counting

Configuration

Select the COUNT function in the configuration menu.
 (LOGIN / OPERATOR / APP / SELECT APP / COUNT).

2. Enter the TYPE parameter.

Select the required counting mode.

- 5TANDARD ⇒ simple counting.
- TDL CHK+/- ⇒ counting with tolerance control.

Choose 5 TAN DAR D mode.

3. Enter the PRINT MODE parameter.

Select the recording mode for each weighing:

- MANUAL ⇒ by pressing key or ■.
- STRBILITY ⇒ automatically when "no motion" is detected.
- 4. Enter the EXT. SCALE parameter.

This parameter enables selection of an external reference scale:

Operational mode

Sampling Mode

 After powering the instrument, the sampling phase commences.



Determines the number of sample pieces on the scale.

The result of the sample weighing is displayed (A).



3. Select the NBDFPIECE5 function to get the number of sample parts (■).

The current weight of the number of pieces is displayed.



- Enter the number of items using the keyboard. The number being entered is displayed on screen (B).
- 5. Confirm the number of sample parts (2).



- current weight on the scale (C).
- unit weight (D).
- weight in high resolution (E).

The procedure is identical for each weighing.





Counting Mode

- 1. In counting mode the following keys are active:
 - Abort and return to sampling mode.
 - Print the result of the current weighing.
 - 🖪: Record the batch weighing.
 - 12: End of batch





2. Perform an initial weighing.

The information displayed is:

- Calculated number of pieces (A),
- · Weight of all the pieces (B),
- · Calculated unit weight (C).
- 3. If a printer is connected, print the current operation ().

Once printed, a new operation can be performed.





Tolerance Checking

Configuration

- Select the function TOL CHK+/- in the configuration menu.
 (LOGIN / OPERATOR / APPLI / SELECT APP / CONTROL +/-).
- 2. Select the TOL DEF parameter.

This parameter selects the tolerance input mode.

- ENTRY ⇒ manual entry via the keyboard.
- ENTRYMEIGH⇒ sample weighing.

When the ENTRYMEIGH $\mod \mathfrak{e}$ is selected to weigh a load, the number 0 must be entered via the keyboard.

3. Select the COLOR parameter.

This parameter enables screen colour selection for the target weight, the - tolerance, and the + tolerance.

- TDLERANCE -: ND/YES (if yes, the screen turns yellow when the value is at < tolerance -).
- TARGET: ND/YES (if yes, the screen will turn green when the value is within tolerance).
- TDLERANCE +:ND/YES (if yes, the screen turns red when the value is > tolerance +).
- 4. Select the PRINT MODE parameter.

This parameter selects the recording mode for each weighing :

- MANUAL ⇒ by pressing key or ■.
- STABIL ITY ⇒ automatically when "no motion" is detected.

The menus below are only active if STABILITY mode is selected, otherwise they are disabled

- AUTO BATCH \Rightarrow YES /NO. Starts a batch automatically.
- PRDITHRES ⇒ piece presence threshold.
- 5. Select the BEEP parameter.

This parameter allows a beep to be assigned to a tolerance level.

Operational mode

Tolerance checking is carried out in 3 steps: sampling (See "Sampling Mode", page 7.), the definition of set points and checking itself.



Definition of set points

Press button () again.

The target weight is recorded.



 Enter the load corresponding to the tolerance then confirm (

Press button () again.

The set point is recorded.

The number of pieces is relative to the target (tolerance - = 1384 - 0050 = 1.334 kg).

NB: If the load is weighed, the weight displayed corresponds directly to the number used for tolerance - (1.334).

- 3. Proceed in the same way for tolerance +.
- Then confirm again to take into account all the (a) parameters.





Checking

- 1. In the checking mode, we find are active:
 - : Abort and return to the tolerance definition menu.

 - **!** Record the current weighing.
 - End of batch

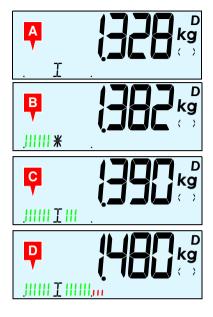


2. Perform an initial weighing.

The information displayed is:

- · checking results,
 - below the tolerance (A)
 - on the target (B)
 - within the tolerances (C)
 - above the tolerance + (D)
- · unit weight,
- · total weight.
- 3. If a printer is connected, print the current operation ().

Once printed, a new operation can be performed.





Formulation

Configuration

1. Select the FORMUL function in the configuration menu. (LOGIN / OPERATOR / APP/ SELECT APP / FORMUL).

- 2. Select the ACCUMUL, parameter.
 - YE5: The composition of the recipe is formulated by the addition of products into a vessel.

The calculated result is calibrated after recording each operation.

 N□: The composition of the recipe is formulated by entering the weight of each individual product.

The calculated result is only reset after the withdrawal of the previous product.

- 3. Select the JEE POINT parameter: 0 (no decimal) at 6. This parameter defines the position of the decimal point in the display.
- Select the JEEP parameter.
 This parameter allows a beep to be assigned when 100% of the desired quantity is achieved.

Operational mode

 At device power up, formulation mode is activated.

The active keys are:

- Set tare/zero.
- Print the result of the current operation.
- Record formulation weights.
- Cancel last weighing of the formulation.
- End of batch
- 2. Press enter the required quantity.

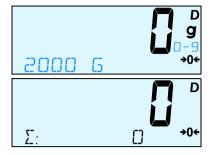




3. Enter the value using the numeric keypad (0 to 0).

Confirm ().

If the amount entered is 0 then the quantity is weighed.



4. Fill the first product until the desired batch percentage is reached.



- Confirm the current weighing (■).
 Information about the current weighing is reset to perform a next reweighing.
 The number of product weighings is shown at (A).
- **A**Nb: 1 →0€
- Repeat this operation as many times as necessary until the composition reaches 100%.
- If a printer is connected, print the result of the formulation ().

Once printed, a new operation can be performed.



Calculation

Configuration

1. Select the CONVERSION function in the functional configuration menu. (LOGIN / OPERATOR / APPLI / SELECT APP / CONVERSION).

2. Enables entry of the LINIT parameter.

This parameter allows entering the unit used in the calculations.

- **3.** Enter the JEC POINT parameter: 0 (no decimal) at 6. This parameter defines the position of the decimal point in the weight display.
- **4.** Enter the PRINT MODE parameter.

 This parameter allows selecting the recording mode for each weighing:
 - MANUAL ⇒ by pressing key or ■.
 - 5TFBILITY ⇒ automatically when "no motion" is achieved.

The menus below are only active if STABILITY mode is selected otherwise they are disabled. In other cases they will not be visible.

- AUTO BATCH \Rightarrow YE5 / NO. Starts a batch automatically.
- PRDITHRES⇒ Piece presence threshold.

Operational mode

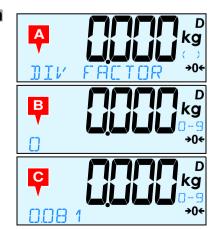
Definition of the factor

Select the factor type using the arrow keys (and) then confirm .

For example a division factor (A).

The current factor value is displayed (B).

 Enter the new a new factor value (C) and confirm (■).



The calculation mode is active.

Where there is no factor simply press the **!** key to switch directly to the calculation step.

The selected unit is displayed (D).



Calculation

- In calculation mode the following keys are active:
 - : Abort and return to the factor definition menu.
 - **!** Record the current weighing.
 - 2: End of batch



2. Perform an initial weighing.

The information displayed is:

- Result of the calculation for the current weighing (A),
- · Current weight (B),
- Unit used if there is one (C),
- · Weight in high resolution (E).
- · Factor used (E).
- If a printer is connected, print the current weighing (

Once printed, a new operation can be performed.









Predetermined tare

Configuration

- 1. Select the WRITE TARE parameter:

 This parameter allows defining the number of tare weights saved (from 1 to 10).
- Select the WRITE UTIL parameter:
 This parameter allows defining the user rights to be defined in user mode.
 - YE5: Read/write permission available.
 - N□: User has read only permission.

Operating Procedure

1. Press key and scroll through the various functions with the arrow keys.



2. Select the SAVED TARE function then confirm ().



3. Select the WRITE TARE function then confirm ().



4. Select the tare to be saved (here 1 SAVE II TARE) then confirm (■).

The current tare value is displayed



- 5. Enter the tare value via the numeric keypad and confirm (1).
 - Repeat this process for each saved tare.
- 6. Press to return to the previous menu.
- 7. Select the READ TARE to view and confirm the tare (1).



0.100

Select tare to view and confirm ().
 The tare weight is displayed.





Entering references ID1 and ID2

References 1 and 2 allow the identification of a weighing.

1. A weighing is in progress.



- Press key and scroll through the various functions using the arrow keys.
- 3. Select the preset tare I I 1 or I I ≥ function and confirm (□).

The reference value is displayed.

4. Enter the new value for reference 1 via the numeric keypad.

Each reference can consist of up to 9 digits from 1 to 9 including decimal points.

Using key **Q**, during input eraser the last character entered.





Confirm reference value 1 ().
 This reference will be shown on printed tickets.





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