

Daily Operation Card



Warning

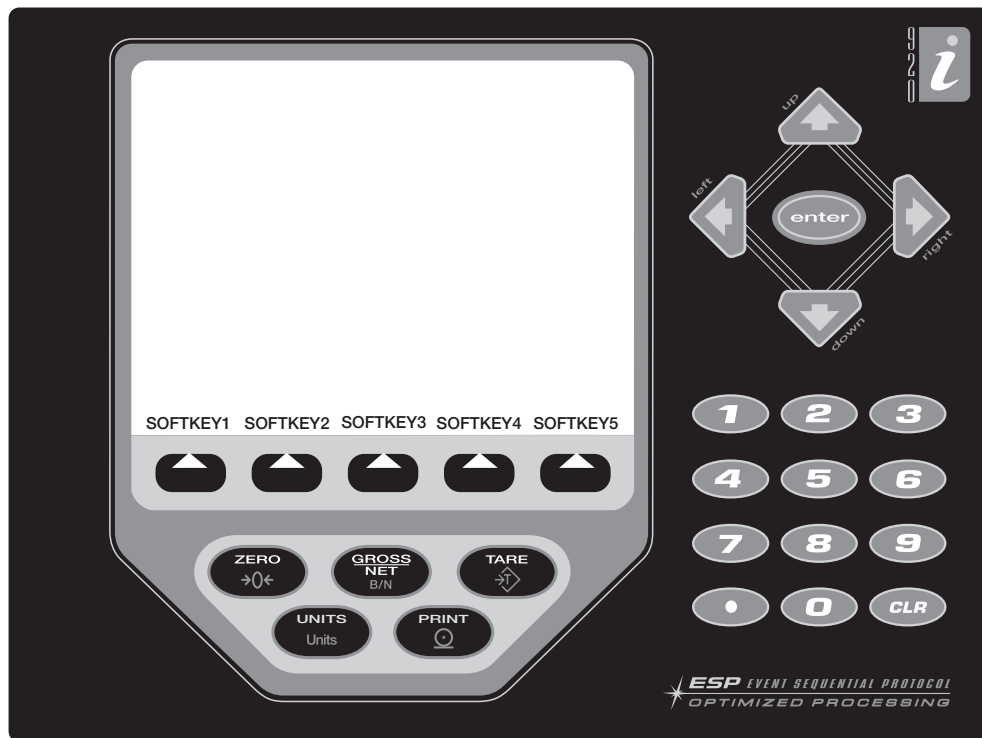
Do not open the indicator enclosure!

Refer all repairs and modifications to your distributor or service technician.

Front Panel Display and Keypad

The indicator front panel, shown below, consists of a 27-button keypad with a large backlit LCD display. The keys are grouped as five configurable softkeys, five primary scale function keys, four navigation keys, and numeric entry keys.

Weight information is displayed with a graphical scale in six font sizes up to 1.2 inches. Up to four scale widgets can be displayed in legal-for-trade, multiple-scale applications. Status areas on the display are used for operator prompts and entering data. The remainder of the display can be graphically configured for representation of a specific application. Display contrast can be adjusted with the LCD contrast potentiometer.



Indicator Operations

Basic 920i operations are summarized below:

Toggle Gross/Net Mode



Press the GROSS/NET key to switch the display mode from gross to net, or from net to gross. If a tare value has been entered or acquired, the net value is the gross weight minus the tare. If no tare has been entered or acquired, the display remains in gross mode.

Gross mode is indicated by the word *Gross* (or *Brutto* in OIML mode); net mode is indicated by the word *Net*.


Toggle Units

Press the **UNITS** key to switch between primary, secondary, and tertiary units.


Zero Scale

1. In gross mode, remove all weight from the scale and wait for the standstill annunciator ().
2. Press the **ZERO** key. The center of zero () annunciator lights to indicate the scale is zeroed.


Acquire Tare

1. Place container on scale and wait for the standstill annunciator ().
2. Press the **TARE** key to acquire the tare weight of the container.
3. Display shifts to net weight and shows the word *Net* on the display.

Remove Stored Tare Value

1. Remove all weight from the scale and wait for the standstill annunciator ().
2. Press the **TARE** key (or, in OIML mode, the **ZERO** key). Display shifts to gross weight and shows the word *Gross*.

Print Ticket

1. Wait for the standstill annunciator ().
2. Press the **PRINT** key to send data to the serial port. To print tickets using auxiliary formats, press the number key for the format, then press **PRINT**. For example, to print using AUXFMT2, press **2**, then **PRINT**.

Accumulator Functions

The accumulator must be enabled before use in either normal mode or setpoint operations. Once enabled, weight (net weight if a tare is in the system) is accumulated whenever a print operation is performed using the **PRINT** key, digital input, or serial command. The scale must return to zero (net zero if a tare is in the system) before the next accumulation.

The **Display Accum** softkey can be configured to display the current accumulator value. Printing while the accumulator is displayed, or when the setpoint PSHACCUM function is active, uses the ACCFMT print format.

Press the **CLEAR** key twice to clear the accumulator.

Softkey Operations

Softkeys can be defined to provide operator additional functions for specific applications. Softkey assignments are listed on the tabs shown at the bottom of the LCD display; softkey functions are activated by pressing the arrow keys below the softkey tabs.

The particular set of softkeys shown on the display is determined by the indicator configuration and program.

Softkey	Description
Time/Date	Displays current time and date; allows time and date change.
Display Tare	Displays tare value for the current scale
Display Accum	Displays accumulator value, if enabled, for the current scale.
Display ROC	Displays rate-of-change value, if enabled, for the current scale.
Setpoint	Displays a menu of configured setpoints; allows display and change of some setpoint parameters.
Batch Start	Starts a configured batch.
Batch Stop	Stops a running batch and turns off all associated digital outputs.
Batch Pause	Pauses a running batch. (Same as stop, but digital outputs, if on, are not turned off.)
Batch Reset	Stops a batch and resets it to the first batch step.
Weigh In	Allows truck ID entry; generates weigh-in ticket for truck weighing applications.
Weigh Out	Allows truck ID entry; generates weigh-out ticket for truck weighing applications.
Truck Regs	Displays truck register; allows deletion of individual or all entries. Truck register can be printed by pressing the PRINT key while the truck register is displayed.
Unit ID	Allows display or change of Unit ID.
Select Scale	For multi-scale applications, provides a prompt to enter the scale number to be displayed.
Diagnostics	Provides access to diagnostic displays for attached <i>iQUBE</i> junction boxes.
F1-F10	User-programmable keys; defined by application.
More...	For applications with more than five defined softkeys, the More... key is automatically assigned to the fifth softkey position. Press More... to toggle between groups of softkeys.

Table 1. Configurable Softkeys

Daily Operation

Once configuration of the user's parameters are all entered, the CLS-920 should be ready for daily operation. The following sub-sections give an overview of how you will use the CLS-920 during a normal work shift.

1. At the start of a shift, enter the employee ID number.

01/31/2007	08:13AM	SCALE 1
2500		
Gross		lb
Emp ID: 0	Pitch: 0.00	Battery Life (Hours)
PRO Num:	Roll: 0.00	0 12 24
Please enter or scan your employee ID #.		
Home	Cancel	End

Figure 1-1. Enter Employee ID

If it is a new employee number, enter a numerical employee ID number and press the enter key. You get a screen display that says, *124 Stored in Database*, or whatever employee ID number was entered.

2. Select the PRO Number softkey to enter a nine-digit PRO number in the indicator using the bar code scanner or key it in on the numeric keypad.

NOTE: The PRO number digit length can be changed by going into the Supervisors softkey menu => Application Parameters => Minimum PRO length and Maximum PRO length.

01/31/2007	08:13AM	SCALE 1
2500		
Gross		lb
Emp ID: 0	Pitch: 0.00	Battery Life (Hours)
PRO Num:	Roll: 0.00	0 12 24
Please enter a PRO Number.		
PRO #	=>	
Home	Cancel	End

Figure 1-2. Enter PRO Number

Press **enter** to save that PRO Number and then the next screen to appear is:

01/31/2007		08:13AM		SCALE 1	
					0
Gross					lb
Emp ID: 0		Pitch: 0.00		Battery Life (Hours)	
PRO Num: 123456789		Roll: 0.00		0 12 24	
Please enter the estimated weight recorded on papers with this PRO.					
Estimated Wt =>					
Home		Cancel		End	

Figure 1-3. Enter Estimated Weight

Enter the estimated weight and press the **enter** key.

The next screen to appear is:

01/31/2007		08:13AM		SCALE 1	
					0
Gross					lb
Emp ID: 0		Pitch: 0.00		Battery Life (Hours)	
PRO Num: 123456789		Roll: 0.00		0 12 24	
Please select the units of the estimated weight.					
Lb	Kg	Short Ton	Metric Ton	More ->	

Figure 1-4. Enter Units of Measure

Enter the estimated unit weight and press **enter**.

The screen displays the following:

01/31/2007		08:13AM		SCALE 1	
					0
Gross					lb
Emp ID: 123		Pitch: 0.00		Battery Life (Hours)	
PRO Num: 123456789		Roll: 0.00		0 12 24	
Information saved for PRO number 123456789					
Lb	Kg	Short Ton	Metric Ton	More ->	

Figure 1-5. Information Saved

Then it defaults back to the main Pro screen, shown below.

01/31/2007		08:13AM		SCALE 1	
					0
Gross					lb
Emp ID: 123		Pitch: 0.00		Battery Life (Hours)	
PRO Num: 123456789		Roll: 0.00		0 12 24	
PRO Number			Edit # of Skids (f)		More ->
Store Skid Weight			Employee Logoff		

Figure 1-6. Main PRO Screen

Pre-existing PRO Number

If the PRO Number is a pre-existing number then the steps listed differ slightly.

1. Key in the existing PRO Number and the following screen appears.

01/31/2007		08:13AM		SCALE 1	
					0
Gross					lb
Emp ID: 123		Pitch: 0.00		Battery Life (Hours)	
PRO Num: 123456789		Roll: 0.00		0 12 24	
Would you like to open or close this PRO?					
Open			Close		

Figure 1-7. Open or Close PRO Number

2. Select either the Open or Close softkey. By pressing the Close softkey, the screen closes out and goes back to Figure 7-8.

01/31/2007		08:13AM		SCALE 1	
					0
Gross					lb
Emp ID: 0		Pitch: 0.00		Battery Life (Hours)	
PRO Num:		Roll: 0.00		0 12 24	
PRO Number			Employee Logoff		More ->

Figure 1-8. Exit PRO Number Screen

If **Open** is selected, the following screen appears.

01/31/2007		08:13AM		SCALE 1	
					0
Gross					lb
Emp ID: 123		Pitch: 0.00		Battery Life (Hours)	
PRO Num: 123456789		Roll: 0.00		0 12 24	
PRO Number	Edit # of Skids (f)	Store Skid Weight	Employee Logoff	More ->	

Figure 1-9. Open PRO Number Screen

Edit # of Skids (f)

Press the **Edit # of Skids (f)** softkey to access the following screen.

01/31/2007		08:13AM		SCALE 1	
					0
Gross					lb
Emp ID: 123		Pitch: 0.00		Battery Life (Hours)	
PRO Num: 123456789		Roll: 0.00		0 12 24	
Please enter the number of skids for this PRO.					
# Skids =>					
Home		Cancel		End	

Figure 1-10. Enter Skid Amount

Enter the number of skids and press **enter**. The screen will briefly display *# Skids Updated* before returning back to the main screen as shown in Figure 7-9.

Store Skid Weight

Press the Store Skid Weight softkey to access the following screen.

01/31/2007		08:13AM		SCALE 1	
			2300		
Gross			lb		
Emp ID: 123		Pitch: 0.00		Battery Life (Hours)	
PRO Num: 123456789		Roll: 0.00		0 12 24	
Skid weight stored.					
PRO Number	Edit # of Skids (f)	Store Skid Weight	Employee Logoff	More ->	

Figure 1-11. Enter Skid Weight

The screen will indicate that the skid weight is stored, on which skid it's stored, and the weight is displayed on the indicator display.

If there is no weight on the forklift, then the screen will say *No weight on forklift.*