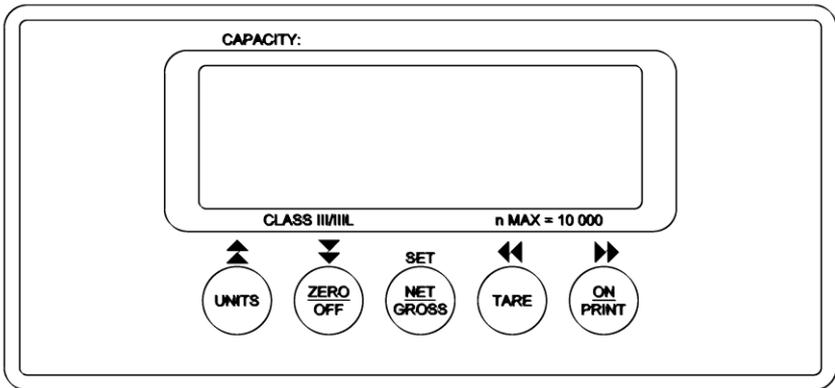


Congratulations on your purchase of the Regal 300i Scale!

Regal 300i Scale Option BT-4.0
SMART/Bluetooth Scale
Owner's Manual/Instructions



SSCI Contact Information

Suburban Surgical Co., Inc. 275 Twelfth Street Wheeling, Illinois 60090
Telephone: Illinois-(847)537-9320 Toll Free-(800)323-7366
Web: www.suburbansurgical.com

Scale Set-up

Floor model scales can be setup in either of two ways:

- Wall/Table mounted display console
- Column-mounted display console

Setting Up the Scale Platform

- Place the platform frame on the floor with the load cell feet on the bottom.

Note: Place the scale in an area free from drafts, heating vents, or exterior doors. Always place the scale on a surface that is fairly level.

- Rewrap any excess length of display cable back around the hooks on the platform frame.

- Peel the protective covering from the scale top and place the black vinyl mat on the scale platform.

Note: The scale is calibrated at the factory with the mat in place on the scale platform; placing the mat on the scale does not require recalibrating the scale.

Mounting the Display Console on a Wall or Table

Tools Required:

- Phillips screwdriver
- Pencil
- Electric drill
- 1/4 in. drill bit

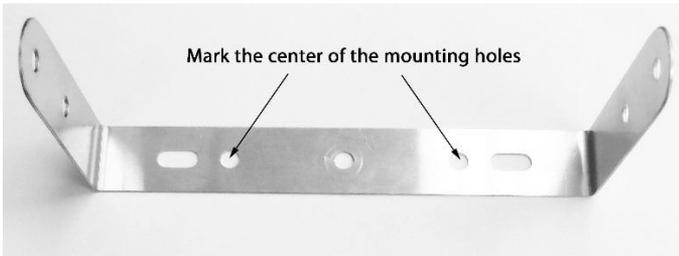
- Place the scale platform on the floor in the chosen location with the load cell feet on the bottom.

- Unwrap the display cable from the hooks on the underside of the platform frame.

- Temporarily, plug the connector on the display cable into its terminal on the bottom of the display console



- Hold the display console to the wall and find a convenient location that is within range of the display cable without stretching and mark that location.
- Disconnect the cable from the console.
- Hold the mounting surface of the console bracket up to the wall at the chosen location and mark the centers of the two mounting holes onto the wall.



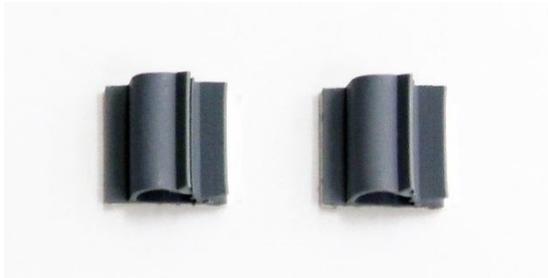
Note: The mounting hardware supplied with the scale is suitable for wallboard construction only. If your walls are masonry, obtain and use suitable mounting hardware.

- With a 1/4 in. bit, drill the two holes in the wall, level with each other.

- Insert the two green plastic anchors into the holes.



- Mount the console bracket to the wall with the two sheet metal screws supplied (or with suitable hardware on a masonry wall).
- Mount the display console to the console bracket with the two black knobs supplied.
- Optional – If desired, secure the display cable to the wall with the self-adhesive cable clips supplied.



- Plug the display cable into the terminal under the display console.
Note: The display cable must pass under the platform frame.
- Peel the protective covering from the face of the display console.

Mounting the Display Console on a Column

Order Part Number 12470-00-AJEPAA, SS Column for attaching LCD Console to Regal 300i Floor Model Scale.

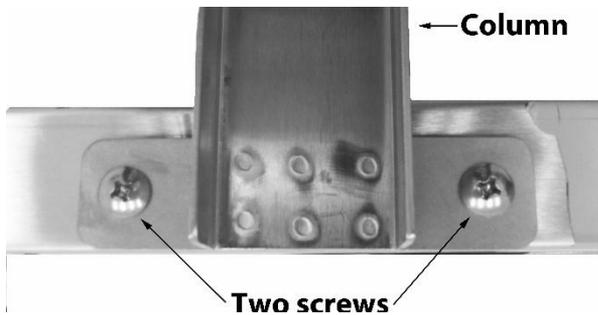
Tool Required:

- Phillips screwdriver

- Select a location for the scale.
- Place the platform frame on the floor in the chosen location with the load cell feet on the bottom.
- Unwrap the display cable from the hooks on the underside of the platform.
- Remove the two Phillips head screws from the side of the platform frame.



- Align the holes in the mounting column with the holes in the scale platform and reinstall the two screws removed in Step 4



- Mount the console bracket to the top of the column with the short screw provided.



- Plug the display cable into the terminal under the console.
Note: the display cable must pass under the platform frame.

- Mount the display console to the console bracket with the two black knobs supplied.



- Rewrap any excess length of display cable back around the hooks on the platform frame.
- Peel the protective covering from the face of the display console and place the black vinyl mat on the scale platform.
- Press the **ZERO/OFF** button to zero out the display.

Result: Display reads 0.0.

Note: Stabilize the column to avoid placing a weight on the scale when pressing the button.

Operating the Scale Console

Operate your 300i unit by:

- A/C adapter
- Battery Operation

**(Please don't use both Batteries and A/C Adaptor together,
Use only one or the other)**

A/C Operation

- Plug the adapter into the jack on the rear of the display unit and then into a wall outlet.

Note: Never use old A/C adaptor. Use adapter that comes with unit.

Battery Operation

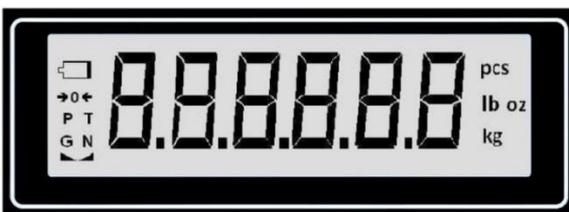
To install/replace the batteries, remove the plastic battery cover from the rear panel and making sure the batteries are in the right way, install the new batteries.

Turning the unit On and Off

-To turn the unit on, press and hold the **ON/PRINT** button until unit comes on. When the display shows zeros, it is ready.

-To turn the unit off, press and hold the **ZERO/OFF** button until unit shuts off.

Console Display



Symbol	Display
	Displays when the scale is on zero
N	Indicates Net Weight
G	Indicates Gross Weight
T	Tare weight has been activated
P	Peak Hold is on
lb	Weight displayed in pounds
kg	Weight displayed in kilograms
g	Weight displayed in grams
oz	Weight displayed in ounces
pcs	Piece count mode
	Scale is at rest
	When blinking, low battery

Keypad



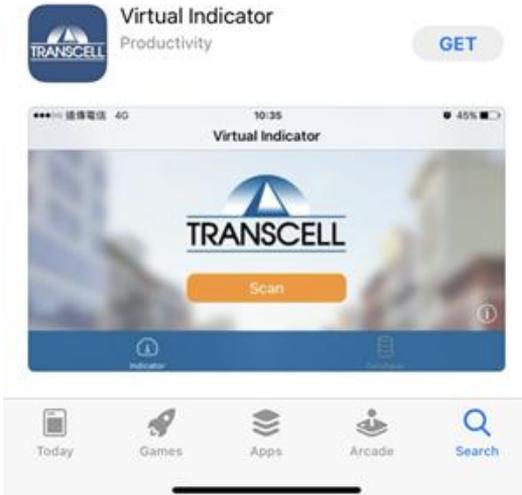
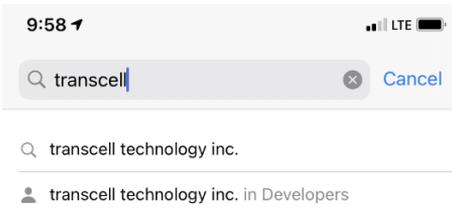
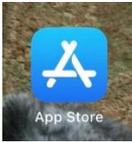
Button	Function
UNITS	Toggles between Lb. and Kg.
ZERO/OFF	Sets the display to zero when, gross weight is displayed, the scale is at rest and not in overload. Hold for five seconds to power off the unit
NET/GROSS	Toggles the display between Net and Gross weight, if a tare weight is established
TARE	Press to establish a tare weight when, gross weight is displayed, the scale is at rest and not in overload
ON/PRINT	Press and hold for two seconds to turn scale on. When the unit is on, sends weight information to the (optional) printer if scale is at rest and not in overload.

Bluetooth Setup

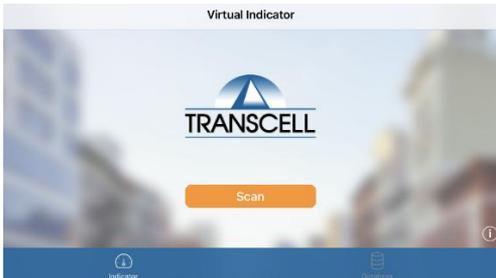
In order to operate the scale from the phone do the following

-Turn the “Bluetooth” option ON on the phone.

-Go to APP store, download TRANSCELL virtual Indicator Productivity Application.



-Open the application, press SCAN.

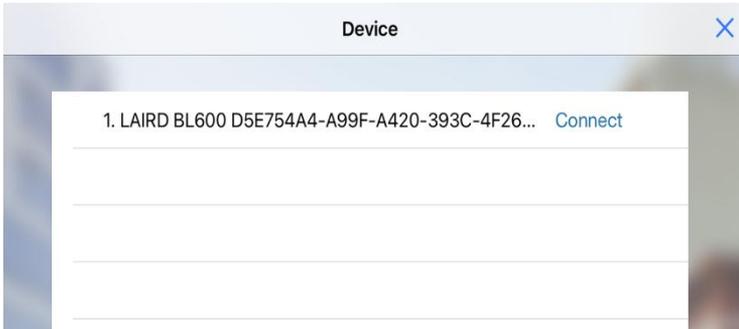


-Turn the scale Head Indicator ON.

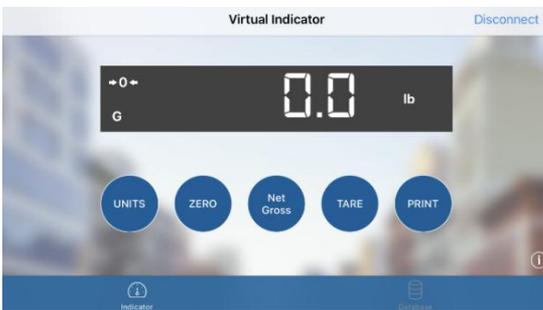
-The APP will ask to connect to any available devices with Bluetooth, press OK.



From the list of all available devices pick the one you need; press CONNECT to connect to it.



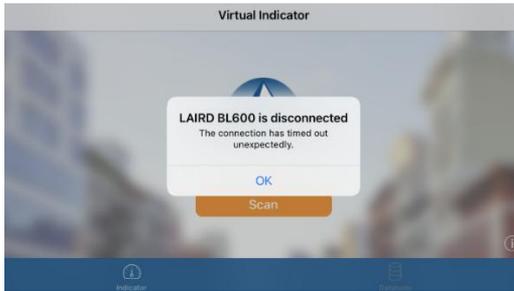
The scale is connected to the phone now and may be operated. Phone only allows to operate the scale. Programming (calibration, etc) should be done on the Head Indicator.



DATABASE option allows to save any data and upload it to the desktop.



In case location has several phones to operate the scale, only one phone can be connected to the scale through the APP at any given time.



Configuration Menus

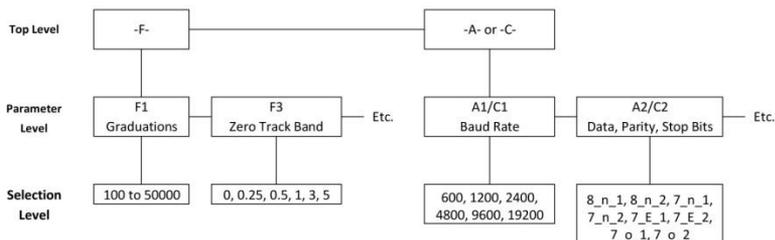
The console has three menus to configure the scale.

Setup (“F”) Menu – Configures all scale-related parameters including calibration procedures.

User (“A”) Menu – Configures COM2 communication parameters and other misc. parameters, e.g. automatic turn off and hold mode.

COMT1 (“C”) Menu – Configures COM1 communication parameters.

The configuration menus are laid out in the following vertical arrangement. Review the chart to get a feel for how to navigate among the various menus and parameters.



Entering the Set-up Configuration Menu

To enter the set-up menu, start with the console off.

- Press and hold down the **ON/PRINT** key (about 20 seconds) until the screen shows “-F- “.
- Scroll down using the **ZERO/OFF** (down) key to reach the parameter level.

Result: The scale shows “F 1”.

Note: To scroll through the available parameter settings, use the **TARE** (left) or **ON/PRINT** (right) keys.

For example, to go from F1 to F2, press the **ON/PRINT**. To go from F2 back to F1 press the **TARE** key.

- Once you have arrived at the proper “F” menu parameter, press the **ZERO/OFF** (down) key once to arrive at the selection level. The console displays the current parameter setting.
- Press the **UNITS** (Up) and **ZERO/OFF** (down) to select.
- Once the setting you want is displayed on the screen, press the **NET/GROSS** (set) key to save this value and revert back up to the parameter level, e.g. “F 1”
- Save all parameter settings by exiting all menus in the following manner: at the parameter level, press the **units** (up) key twice (two times) to exit the setup menu. the indicator displays ‘save’ and then automatically powers off.

Setup (“F”) Menu Descriptions

There are thirty-four different parameters that can be set under the Setup (“F”) Menu. The table below lists the most commonly used parameters. The default settings are indicated by a check mark.

Code/Name	Description	Selection	
F8 Calibration Unit	Selects the primary base unit used in the calibration process. This also serves as the default unit for normal operation. 1 = primary unit is lb. 2 = primary unit is kg.	1V 3	2 4

	3 = primary unit is oz. 4 = primary unit is g.	
F10 Decimal	Determines the location of the decimal point	0 0.0V 0.00 0.0000 0.0000
F12 Percentage hold weight	Allows you to select the percentage of weight change before relocking on a new weight.	5 % 10%V50 20% % 100% 75%
F16 Zero Calibration	Zero calibration routine, use in conjunction with F17 to recalibrate scale.	Press ZERO/OFF key to begin sequence
F17 Span Calibration	Span calibration routine, use in conjunction with F16 to recalibrate scale.	Press ZERO/OFF key to begin sequence
F18 View Calibration	Allows you to view the ZERO/OFF and Span calibration values.	Press ZERO/OFF key to begin sequence
F19 Key-in Zero	Allows you to key-in known zero calibration value in case of memory loss in the field.	Press ZERO/OFF key to begin sequence
F20 Key-in Span	Allows you to key-in known span calibration value in case of memory loss in the field.	Press ZERO/OFF key to begin sequence
F21 Factory re-set	Resets all parameters in the "F" and "A" menu to the default settings. It will not overwrite any previously saved calibration data. USE WITH CAUTION!	Press ZERO/OFF key twice to begin sequence

Changing the Display Units

Changing the display from kilograms to pounds.

Switch off the console by pressing and holding down the ZERO/OFF key for about 5 seconds.

- Press and hold down the **ON/PRINT** key (about 20 seconds) until the screen shows “-F- “
- Press the **ZERO/OFF** (down) key to reach the parameter level. **Result:** The display shows “F 1”
- Scroll to parameter F8 by using the **Tare** (left) or **ON/PRINT** (right) keys. For example, to go from F1 to F2 use the **ON/PRINT** key. to go from F2 back to F1, press the **Tare** key.
- Press the **ZERO/OFF** (down) key once to arrive at the selection level. The scale displays the current parameter setting.
 - “1” = primary unit is lb.
 - “2” = primary unit is kg.
 - “3” = primary unit is oz.
 - “4” = primary unit is in g
- Once the setting you want is displayed on the screen, press the **NET/GROSS** (set) key to save this value and revert back up the parameter level. **Result:** Display shows “F 8”
- Save all parameter settings by exiting all menus by pressing the **UNITS** (up) key twice (two times) to exit the setup menu. the indicator displays ‘save’ and then automatically powers off.

Zero/Span Calibration (F16 and F17)

Use this calibration procedure when replacing the digital display or as part of routine maintenance. For this procedure, you will need a known test weight. For example, a 30 lb. dumb bell. Make sure the test weight is not greater than 300 lbs. or less than three pounds.

- Ensure the console is off. Press and hold the **ZERO/OFF** button for about 5 seconds.
- Enter the Setup mode by pressing and holding the **ON/PRINT** key for 12-20 seconds or until the screen shows “F”.
- Scroll down once using the **ZERO/OFF** key to enter the “Setup” menu. **Result:** “F 1” appears in the display.
- Use the **ON/PRINT** button to scroll to “F 16”.

- Scroll down once using the **ZERO/OFF** key to enter zero calibration menu. The display will momentarily show “C 0” followed by a value. This value is the internal A/D count and can prove useful when trying to troubleshoot setup problems.

- Remove all items from the weighing platform and press the **ZERO/OFF** key to zero out the displayed value.

Note: Stabilize the column to avoid placing a weight on the scale when pressing the button. Make sure the display reads 0.

- Press the **NET/GROSS** key to save the zero-point value.

Result: The display shows “EndC0” momentarily and then reverts back up to F16.

- Press the **ON/PRINT** key once to access the F17 menu.

- While at the “F17” screen, scroll down once using the **ZERO/OFF** key to enter span calibration menu.

Result: The display momentarily shows “C 1” for the span calibration point, followed by a value with one flashing digit.

- Place the test weight on the weighing platform.

- Use the four directional keys to adjust the displayed value to the actual test weight value. Increase the flashing digit by pressing the **UNITS** key. Decrease the flashing digit by pressing the **ZERO/OFF** key. Pressing the **TARE** key or the **ON/PRINT** key changes the position of the flashing digit.

- After entering the exact value, press the **NET/GROSS** key to save the value.

Result: the display shows “EndC1” momentarily, followed by “C 2” for the second calibration point.

- Press **NET/GROSS** to skip the C2 Calibration Point. If prompted for a C3 Calibration Point, press **NET/GROSS** again.

Result: The indicator displays the current gravity settings, e.g. “9.800”. If the local gravity factor is known, then use the keys to adjust the displayed value. Otherwise, press the **NET/GROSS** key. **Result:** The display shows “-donE”.

- Press the **NET/GROSS** key to revert back up to “F17”.

- Save all parameter settings by pressing the **UNITS** (up) key twice (two times) to exit the setup menu. the indicator displays 'save' and then automatically powers off.

There are thirty-one different parameters that can be set under the User ("A") and COM ("C") Menus. The table below lists the most commonly used parameters. The default settings are indicated by a check mark.

Code/Name	Description	Selection
A5 Units Key	Selects the function of the Units key. Note: The Units key does not function if grams or ounces are selected in F8. No = disabled Yes = Enabled	No Yes ✓
A10 Auto Power Off	Allows you to configure the automatic power off time. Expressed in minutes of inactivity (keys and weighing platform).	Key-in 0 to 30 5V 0 = Disable
A12 Backlight Brightness	Selects the brightness of the LCD backlight. Selections are in % of full brightness.	0 (OFF) 20 50 75 100✓
A18 Date	Selects function of the printed date. "no" = Disabled "YES" = Enabled	no✓ YES
A19 Date Format	Selects the printed format for date. "USA" = mm/dd/yy "IntL" = dd/mm/yy	USA✓ IntL
A20 Set system Date and Time	Allows you to set the system time and date.	Press ZERO key to begin sequence

Adjusting Automatic Shutoff

A10-Auto power off--Allows you to configure the automatic power off time for the digital display. Expressed in minutes of inactivity (keys and weighing platform).

- Press and HOLD down **ON/PRINT** key (about 20 seconds) until the screen shows “-F-“.
- Press **ON/PRINT** key once until the screen shows “-A-“.
- Press DOWN arrow (**ZERO/OFF**) once to get parameters level A1.
- Press RIGHT arrow (**ON/PRINT**) to set up A10.
- Press DOWN arrow (**ZERO/OFF**) to set to __ _ 00
 - 00 – screen stays on all the time.
 - 01 – screen Turns Off in 1 minute.
 - 02 - screen Turns Off in 1 minute, etc)
- Press SET (**NET/GROSS**) once to finish setting.
- Press **UNITS** twice. The scale will automatically TURN OFF. ALL DONE.