



CS300

WIRED LOAD INDICATOR

Operator Manual - Version I



! WARNING !

THE PURPOSE OF THIS MANUAL IS TO PROVIDE THE USER WITH THE OPERATING PROCEDURES ESSENTIAL FOR THE PROMOTION OF PROPER OPERATION FOR ITS INTENDED USE. THE IMPORTANCE OF PROPER USAGE CANNOT BE OVERSTRESSED. ALL INFORMATION IN THIS MANUAL SHOULD BE READ AND UNDERSTOOD BEFORE ANY ATTEMPT IS MADE TO OPERATE THE UNIT.

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INTRODUCTION

The Safe-Aid CS300 unit is designed with ease of operation in mind. The system goes directly into its normal operating/monitoring screen requiring no input from the operator unless a tare load is required. All inputs to the system are done by the operator via the front panel push buttons.



LOAD CELL CONNECTION

The load cell is connected directly to the Safe-Aid CS300 unit with the cable supplied. One side of the cable is connected to the display using the 4 pin M12 connector (Figure 1) while the other side of the cable is connected to the load cell using the 6 pin Military Specification connector (Figure 2). Make sure both plugs are connected correctly before powering up the display unit.



Figure 1



Figure 2

BATTERY VOLTAGE

CS300 Display – 3 x Size 'AA' 1.5V Alkaline Batteries.








Low Voltage Shown by the battery symbol with DIS.

KEYPAD BUTTONS

There are six buttons on the front of the CS300 display and each can be used as per the table below:



When the Max button is pressed the display will show the last maximum load (peak load) reading. To reset the max load, make sure max load is displayed, hold the Zero Button until current load is displayed. While in max load Max Load will be displayed at the top right-hand corner of the screen and the load displayed will flash. To turn off max load press the Max button.

	<p>Use the zero button to set the actual zero value on the load. This shifts the complete calibration values to the new zero point. Press and hold the Zero button for 4 seconds to set the new zero point.</p>
	<p>Use the tare button to set the tare load (net load). This can be used when the lifting apparatus etc. must not be included in the displayed load. While the load has been tared, Tare load will be displayed in the top right-hand corner of the screen. To return to actual load (gross load) Press the Tare button again.</p>
	<p>When the Min button is pressed the display will show the last minimum load (trough load) reading. To reset the min load, hold the Min and Zero Buttons simultaneously until zeroed is displayed. While in min load viewing Min Load will be displayed at the top right-hand corner of the screen and the load displayed will flash. To turn off Min load press the Min button.</p>
	<p>This cross is used to cancel or exit when in settings menu.</p>
	<p>The confirm / power button is used to confirm menu options or settings in settings menu. To Power on or off hold the button for 3 seconds.</p>

SETTINGS MENU

To enter the menu, hold the Zero and Tare button simultaneously for 3 seconds. The screen will then go to the menu where the required selections can be made. Once complete press the exit button to return to the working screen.

In the settings menu, the following functions can be changed or selected by highlighting the required setting and pressing the confirm button:

- Screen Brightness
- Units of Measure
- Keypad Buzzer ON / OFF
- Auto Power Off Time
- Max Load
- Set Rate
- Master Settings

Screen Brightness

Set the backlight brightness from 0 - 100%

Use the up and down arrows to increase or decrease the number. Once correct accept the value using the confirm button.

Units of Measure

Set the units of measure

Keypad Buzzer On/Off

Switch between Keypad Button On & Keypad Button Off by pressing confirm on the keypad. The Buzzer will always sound for overload.

Auto Power Off Time

Set the auto power off time from 5 - 99 minutes.

Use the up and down arrows to increase or decrease the number and the left and right arrows to change the digit to be changed. Once correct accept the value using the confirm button.

Max Load

Set the maximum load allowed, the buzzer will sound if the max load is exceeded.

Use the up and down arrows to increase or decrease the number and the left and right arrows to change the digit to be changed. Once correct accept the value using the confirm button.

Rate

Set the displayed load update rate. The higher the rate the shorter the battery life. Set the update rate in Hz.

- 3Hz
- 2Hz
- 1Hz
- 0.5Hz

Master Settings

The master settings are password protected by a 4-digit password. Once the password has been entered the following settings can be setup here.

- Load Menu – Password protected for factory setting only.