

# 9325-NU Quick Start Guide



## 9325-NU

Portable Sensor Display

**interface**

FORCE MEASUREMENT SOLUTIONS.

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## Introduction/overview

The 9325-NU allows simple display of strain bridge-based measurements such as load cells and pressure gauges with sensitivity up to +/-480 mV/V.

Up to six **calibration ranges** are available allowing for different loading modes (tension and compression) or different sensors. Each calibration range will remember settings that contribute to the **user experience** such as selected units and tare values.

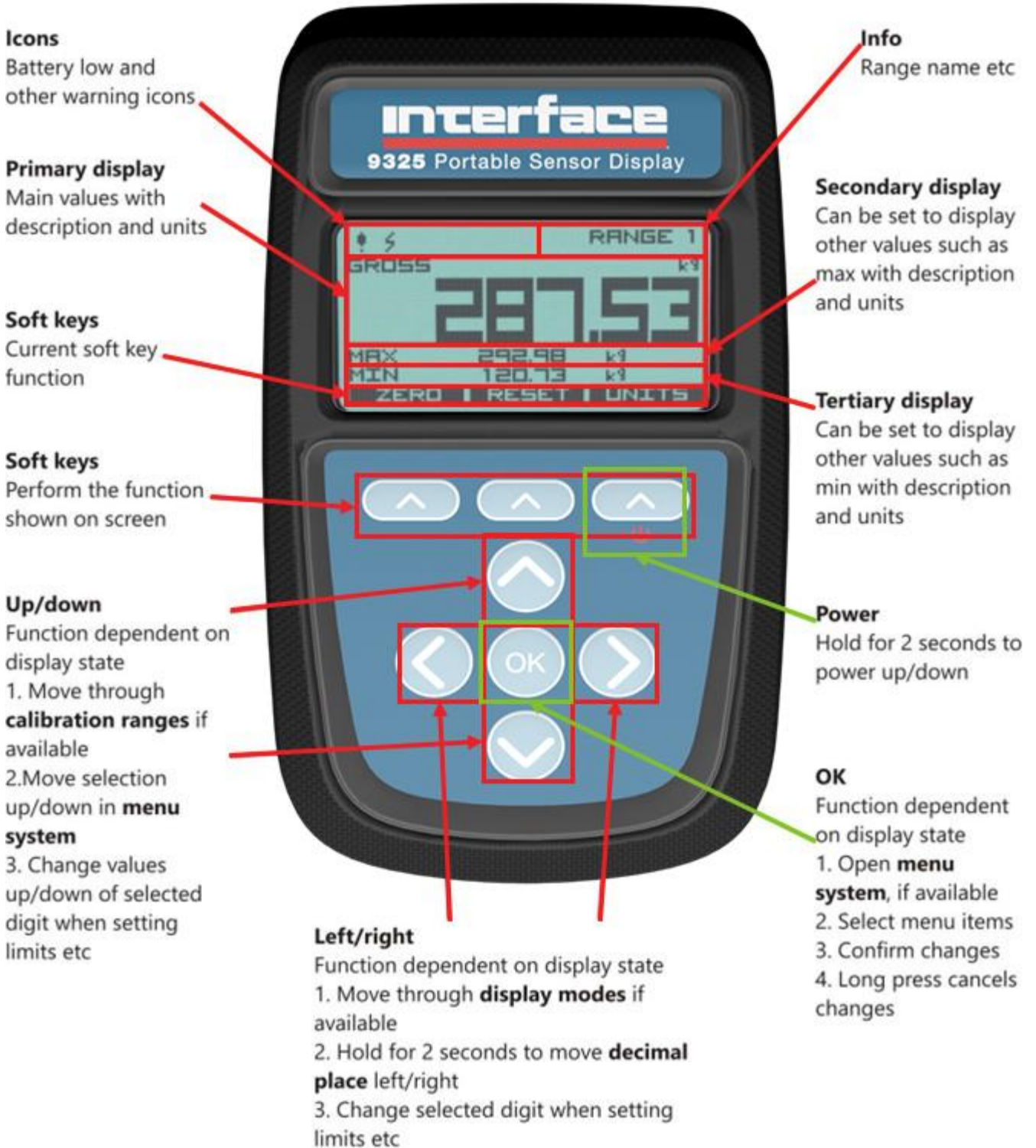
TEDS devices using templates 33, 40 and 41 can be connected and will update the viewed calibration. The last twenty TEDS devices connected will be remembered and recognized when connected again reverting to the last user experience settings for that device. TEDS can be disabled, and the internal calibration ranges become available again.

# Getting started

This document is designed to give a very quick overview of the 9325-NU and its general, standard functionality. For more details, see the full manual.

## Hardware overview

### Front



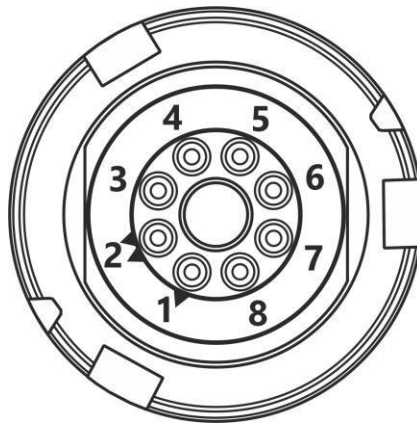
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Back





The Load Cell connector fitted to 9325-NU Standard Product is BINDER 770-8. The cable fitted mating connector is a BINDER 771 8-pin male connector. There are three versions available with different field cable diameters.



View from solder connector side of the connector

Connector Pin	Function
1	Loadcell Reference (Sense) +ve
2	Loadcell Reference (Sense) -ve
3	Loadcell Signal +ve
4	Loadcell Signal -ve
5	Loadcell Excitation +ve
6	Loadcell Excitation -ve
7	TEDS
8	Ground

Cable screen should *only* be connected to chassis of the sensor.  
 If this cannot be achieved, then it should be connected to Excitation -ve.

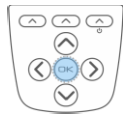
# Setting up the 9825-NU

Setup is possible using just the handheld.

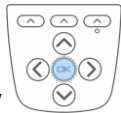
## Calibration



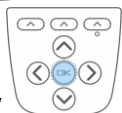
Please note that this must be done in the correct order for the calibration to work correctly. Changing the **Sensitivity** after inputting mV/V readings will cause the calibration to be void. Always make sure you finish with **Apply**



'CALIBRATION'



'USER CALIBRATION'



'ENTER PASSWORD'



(if set default is "9325")



Scrolls through available characters



Moves between digits



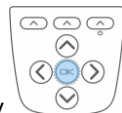
'LIVE CALIBRATION'



'SENSITIVITY'



Select required input sensitivity



(Note, this **MUST** be selected before the following

steps)



Return to previous menu

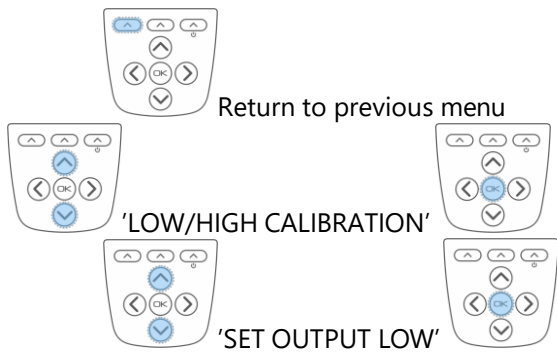



'UNITS'





Select required calibration units




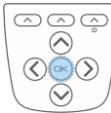


Manually enter the low output required using  to select digits and  to change the value

 changes the sign of the entered number

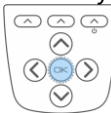
 moves the decimal place to the left

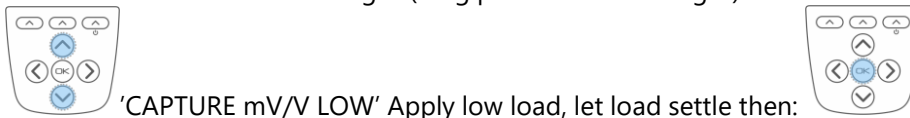
 moves the decimal to the right

 to save changes (long press cancels changes and returns to previous view)

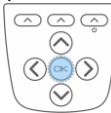


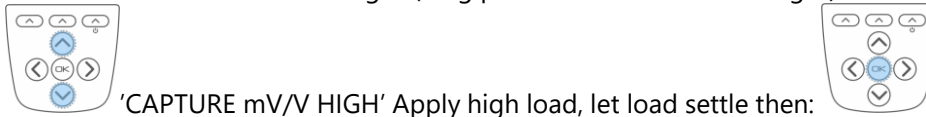
Manually enter the high output required (as above)

 to save changes (long press cancels changes)

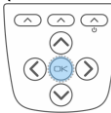



Confirm or edit low mV/V input  
(You can manually edit the mV/V to a value from a calibration certificate here)

 to save changes (long press cancels manual changes)

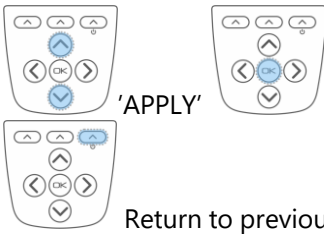


Confirm or edit high mV/V input  
(You can manually edit the mV/V value to a value from a calibration certificate here)

 to save changes (long press cancels manual changes)

If everything is as planned  
 Return to previous menu





'APPLY'

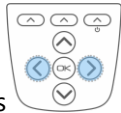
Return to previous selected display mode.

## Change units



In all standard display modes, scrolls through the available units for the selected calibration.

## Change decimal places

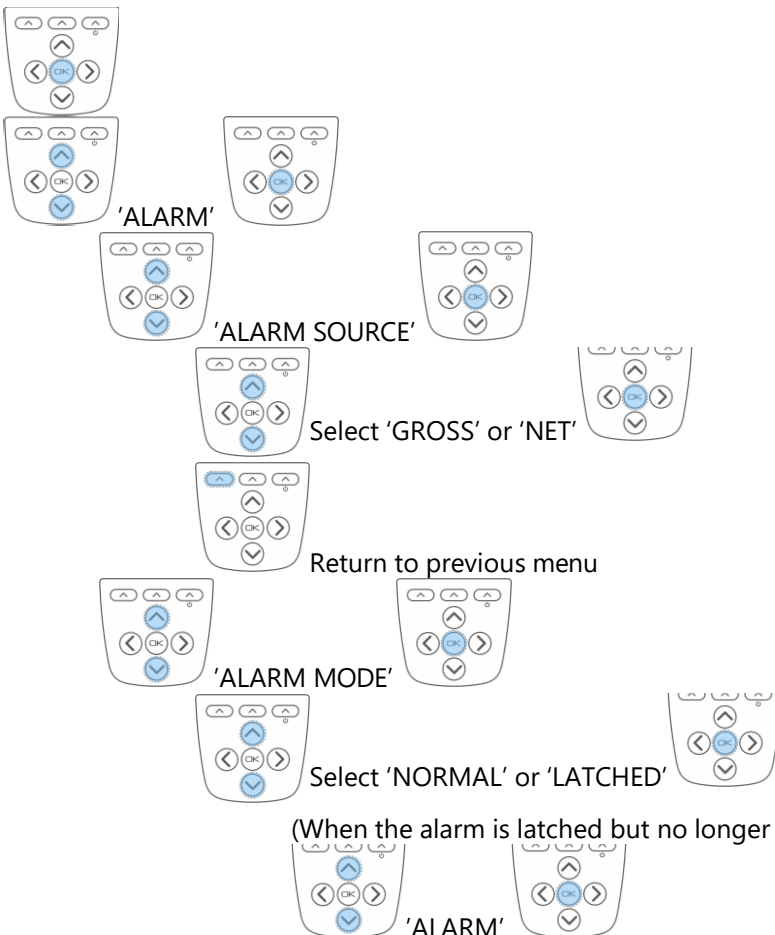


A 2 second press shifts the decimal place position for the selected units.

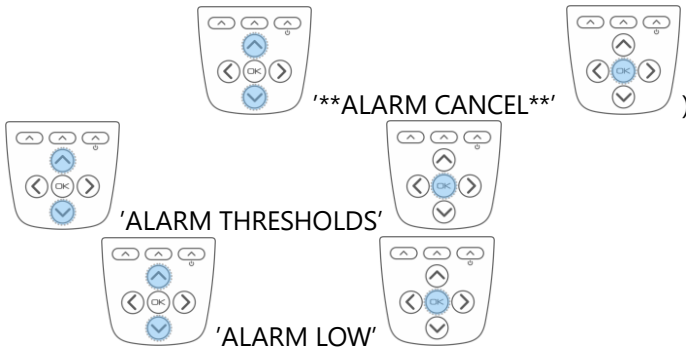
## Overload/underload alarm




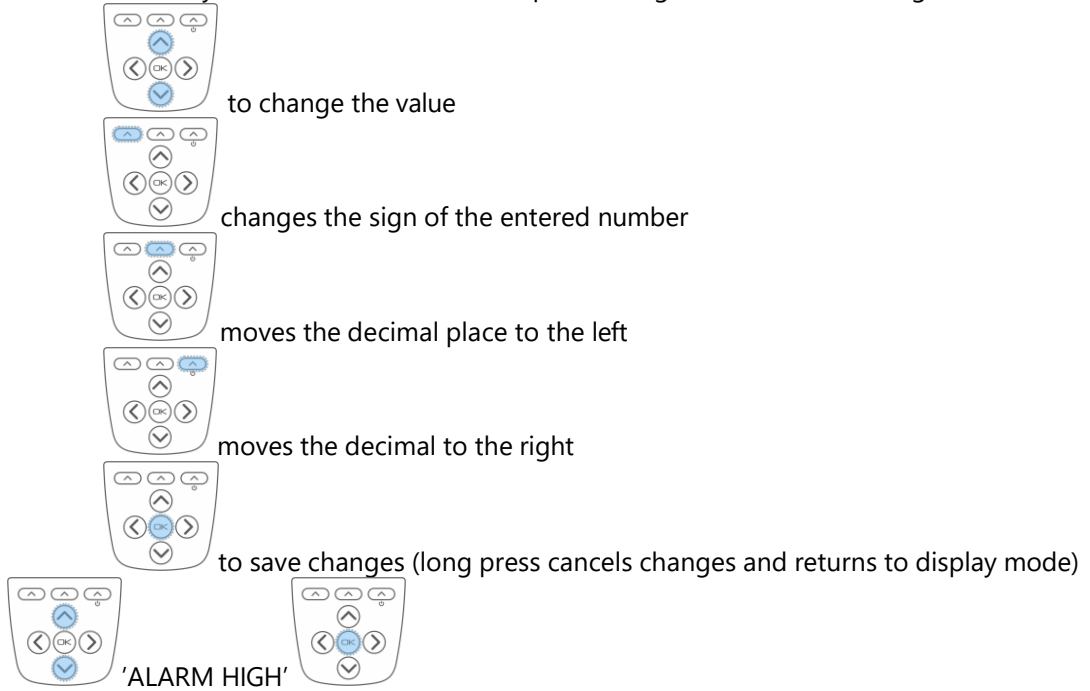
Please note, the values saved for the thresholds are applied in the calibrated units of the currently selected range. This means that different ranges will trigger at different loads if the calibrated unit is different.



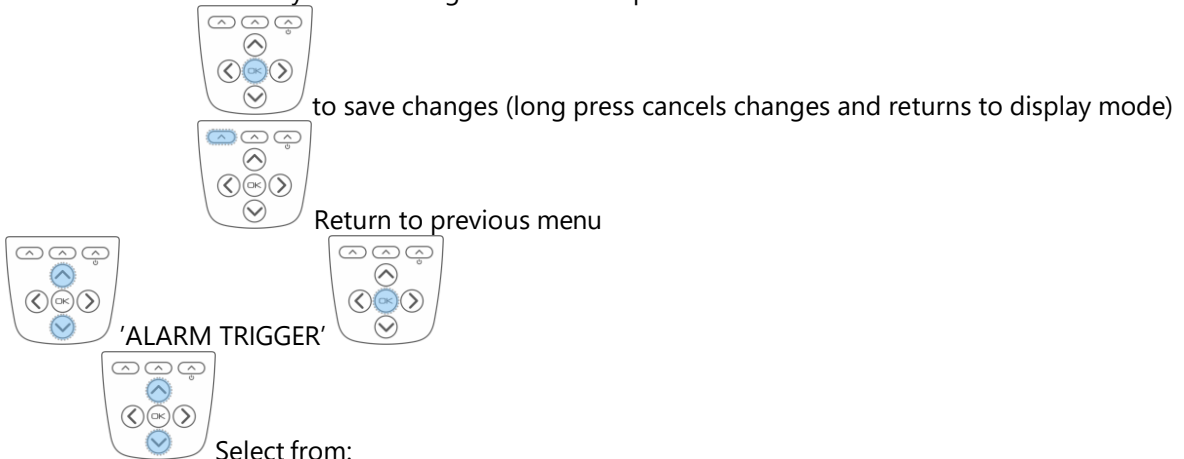




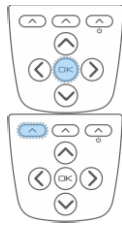
Manually enter the low threshold required using  to select digits and



Manually enter the high threshold required as above.



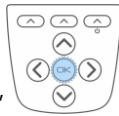
- Select from:
- Disabled
  - Outside limits (<low, >high)
  - Inside limits (>low, <high)
  - Above high (>high)
  - Below high (<high)
  - Above low (>low)
  - Below low (<low)



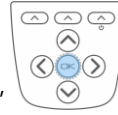
Return to previous menu



'ALARM ACTION'



Select 'NONE', 'BEEP', 'FLASH' or 'BOTH'



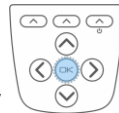
Return to previous menu



Return to previous selected display mode.

## Using TEDS

Plug in a TEDS enabled load cell.



Message: 'NEW TEDS DEVICE USE SESSION DEFAULTS'  
TEDS table(s) will be automatically loaded.



Change selected TEDS calibration

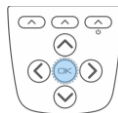


Change displayed units

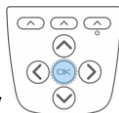
To disable TEDS and use the 9325-NU internal calibration:



'CALIBRATION'



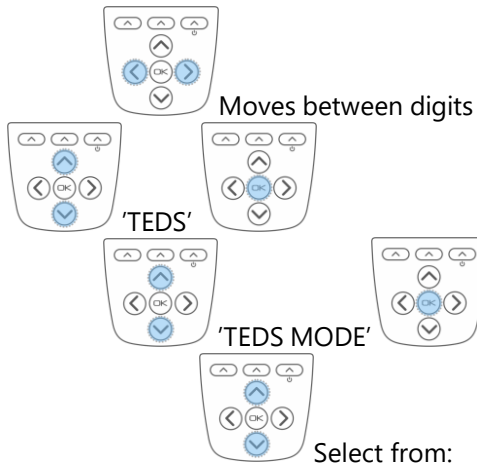
'USER CALIBRATION'



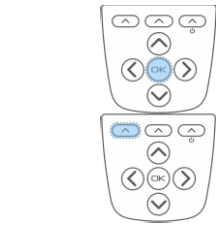
'ENTER PASSWORD' (if set default is "9325")



Scrolls through available characters



Select from:  
 'ENABLED (TEDS)'  
 'DISABLED (9325)'



The next time that you connect that TEDS device you will get the message:

