

LOADWEIGH™ M350S user & quick setup guide



Firmware version 4D.01.16

Power-up the display by either switching on the ignition (ignition live wiring) or press the power button beneath the logo (where fitted) if the indicator is permanently wired to the vehicle supply.

to switch ON turn ignition
and/or press logo



Vehicle Weighing Solutions
Version 4D-01-15
Serial No:12B57664

For Service Tel: 0118 948 4908

Welcome screen
appears for 10 seconds

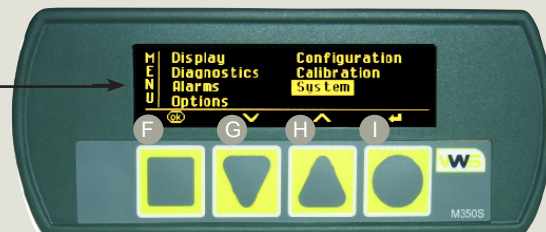


Service due Jan 2010

Service and calibration due screen
appears for 5 seconds



MENU screen



- A Alarm graphic - shows both alarms.
- B Alarm set key
- C Print key - prints net, gross, time & date in weighing screens
- D Menu key - scrolls thru' NET, GROSS & MENU screens
- E Service reminder, flashes when weigher service is due
- F OK key - enters data
- G Down arrow key - scrolls down menu
- H Up arrow key - scrolls up menu
- I Back Up key - goes back a step

Display Changes OLED contrast to high, medium or low. Also shows info: version & serial no.

Diagnostics Engineers screen. Shows two channel weights and input milli-volt signals

Alarms Two alarm setpoints - PIN code required
To mute Alarm - press any key

Options Modes: Switches GROSS on & off
Load: On or off
RS232: Printer or scoreboard mode
Count by: 1, 10, 20, 50, 100, & 200 kgs
Z/Func: Allow/inhibit keyboard zero

Configuration To select 1 or 2 channels, air, oil or fifth wheel.
Split: For split axle systems. Option for total Ch1 + Ch2 or separate Ch1 & Ch2 calibrations

Calibration Weighing system calibration settings

System Accesses password set and resets.
Note. for PUK (PIN unlock code) contact service who will take you through your PIN retrieval. Edit time and date in system.

MENU

selectable options

NET
total load in body note, zero will appear +/- 500 kg to mute alarm press any key

GROSS
total truck weight note, zero will appear +/- 500 kg

LOAD
When LOAD is activated, amount collected in one container from one site

TOTAL
When LOAD is activated, total collected from different containers from one site

SPLIT SCREEN
Shows channel 1 (e.g. front) and channel 2 (e.g. rear or separate hopper)

INCLINOMETER
Where activated and calibrated: Circles fill for each degree of body list left or right.

MENU with options activated

LOAD
When LOAD is activated, amount collected in one container from one site

TOTAL
When LOAD is activated, total collected from different containers from one site

SPLIT SCREEN
Shows channel 1 (e.g. front) and channel 2 (e.g. rear or separate hopper)

INCLINOMETER
Where activated and calibrated: Circles fill for each degree of body list left or right.

Note

GROSS or GVW (gross vehicle weight) is the total truck weight (NET + TARE)

NET 'net load' means the payload weight in the truck body

LOAD means part load collected or delivered, press PRINT to print and zero the load, weight collected is stored as an accumulation to NET

SPAN where used, means the NET weight used to calibrate the weigher

TARE weight means the weight of the empty vehicle

ALARM where fitted, an alarm sounder flashing beacon will activate when alarm setpoint is reached

ON SITE when 'load' is turned on in options, on site allows logging onto site and off site for weighing loads collected from a site with multiple bins (waste only)

SALES

Vehicle Weighing Solutions
Unit 5, Southview Park, Marsack
Street, Caversham, Reading RG4 5AF
Tel: 0118 946 1900

INSTALLATIONS

Vehicle Weighing Solutions
Ireland Industrial Estate, Adelphi Way,
Staveley, Chesterfield, S43 3LS
Centre Tel: 0124 647 2028
Service Tel: 0845 862 5526

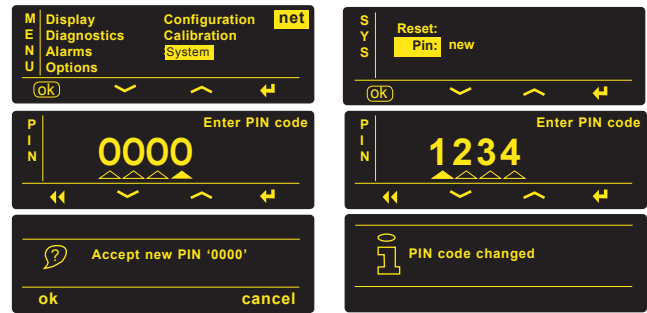
need help? call
0845 862 5526
info@vwsLtd.co.uk
www.vwsLtd.co.uk

CALIBRATION AND SET UP - follow these five steps

STEP 1 ENTERING PIN CODE

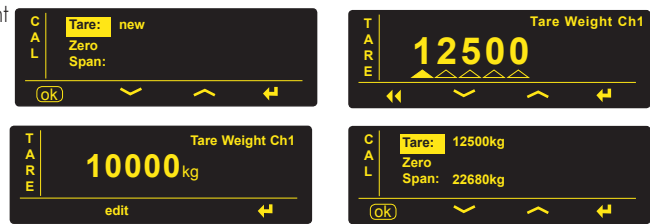
- 1 In MENU screen select SYSTEM press
- 2 Press key to select PIN:
- 3 Press to display PIN input screen
- 4 Press & Keys to number. Press to move cursor left
- 5 When PIN is entered press to enter code
- 6 Press to accept PIN
- 7 Press to back up to MENU
- 8 To Set PIN, select PIN repeat 2 - 6

Note. PIN is needed for every calibration change
PIN can be reset to a new code of your choice. If PIN is lost call Service.



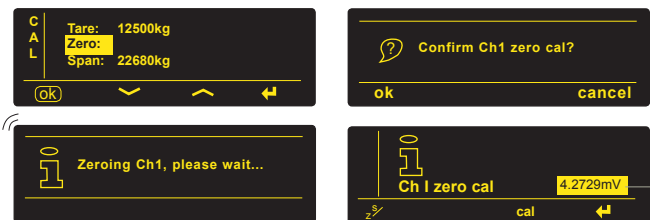
STEP 2 SET THE VEHICLE TARE WEIGHT

- 1 Ensure vehicle is empty, weigh & record TARE (kerb empty) weight
- 2 In MENU screen select CALIBRATION press
- 3 Select TARE press (defaults to 10000)
- 4 Press
- 5 Enter the vehicle TARE (empty weight) as in stage 1
- 6 When done press
- 7 Press to return to MENU screen



STEP 3 SET THE ZERO (EMPTY) CALIBRATION

- 1 If the vehicle is a tipper, raise the body clear of the chassis
- 2 In CAL menu Press to select Zero
- 3 Press
- 4 Press
- 5 Press to confirm channel 1 Zero CAL
- 6 Press to return to CAL menu



Reverse ZERO/SPAN

The reverse zero/span is used to do a simultaneous zero and span calibration. Allows span calibration when the truck is full before zero calibration. You must be in single channel mode, ch1 only. See technical bulletin: M3505 - Version 01-11 Update - M3505 v01-11

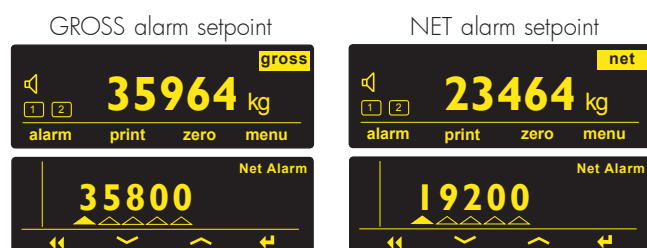
STEP 4 FULL SPAN (NET LOAD) CALIBRATION

- 1 Load vehicle to its legal maximum, weigh & record GROSS weight
- 2 Subtract the TARE (or KERB) weight from the GROSS weight to give the SPAN (NET) weight. E.g. 31900 kg GROSS - 12500 kg, TARE = 19400 kg SPAN (NET) PAYLOAD
- 3 If the vehicle is a tipper, raise the body clear of the chassis
- 4 In CAL menu Press to select Span
- 5 Press (defaults to 22680 kg)
- 6 Press
- 7 Edit the SPAN (NET) PAYLOAD weight, as in STEPS 1 & 2 above press when done
- 8 Press to enter CAL. Press to confirm
- 9 Press twice to return to MENU screen



STEP 5 ALARM SETPOINTS (pin code required, see step one above)

- 1 In MENU, select ALARMS. Two setpoints appear, select 'Alarm 1'
- 2 Press 'OK' to toggle between 'ON' or 'OFF', select 'ON'
- 3 Select 'Output' Invert or Normal (see note)
- 4 Select: 'Gross-Sounder', 'Net-Sounder', 'Gross-PPCO' or 'Net-PPCO'
- 5 Select 'Alm' alarm will activate at this weight. Press 'Edit' and enter target weight setpoint using techniques in previous steps.
- 6 'Hys' Hysterisis (see note) edit in kg
- 7 'Trigger' select- OFF, 2 seconds, 5 seconds or 10 seconds (see note)
- 8 When all settings are correct press to input settings
- 9 For alarm 2, select a'Alarm 2' and repeat STEP 5



Note.

Output: Normal = +12 vdc to power an alarm, output invert = -12 vdc to deactivate (a packer)

PPCO: PackerPlate cut-off, refuse trucks only

HYS: Is hysteresis and gives the option to activate the alarm in a window range above and below the alarm setpoint (an alarm reset tolerance)

Trigger: This is a selectable delay prior to alarm activation