VETEK

Quick Guide

BEAM SCALE WB 3TON/0,1KG

Beam Scale for general weighing

This is a simple and robust Scale for normal environmental. Not to be used in wet or aggressive applications. Very robust steel construction and easy to move. Lifting handles. Pillar for Indicator included.

FEATURES

- Weighing EU pallets, parcels, small tanks, containers and conveyors or anything.else
- Free position of the beams
- Industrial design.
- Tare and Print function.

OPTIONS

- Printer
- Battery supply
- EC-Approval
- Other models of Indicators e.g. for batching

SPECIFICATIONS

Dimensions:	2 pcs 1210 x 100 mm. Height 95 mm.
Surface:	Painted, IP67
Capacity:	3000 kg
Graduation:	100 g (other to be specified before delivery
Weight:	Total weight of 30 kg
Power:	230 VAC / 9 VDC adaptor included
Display:	6 digits 19 mm LCD with backlight
Output:	RS232
Cable:	4,5 m

INTRODUCTION

TI-1200-S Digital Indicator is a general purpose, industrial grade weight indicator. Normally it comes calibrated 3000 kg / 0,1 kg

INSTALLATION

1. Adjust the feet on the beams so the beams stand steady. Check that nothing other than the feet take the load
2. Connect 230 VAC adapter and both cables from the beams.
3. Push ON. Ready!

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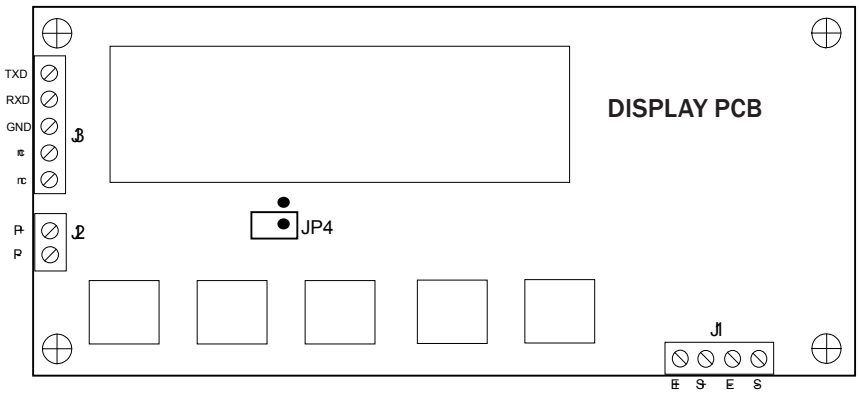
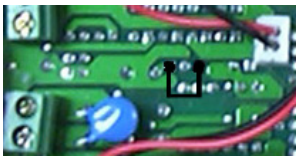
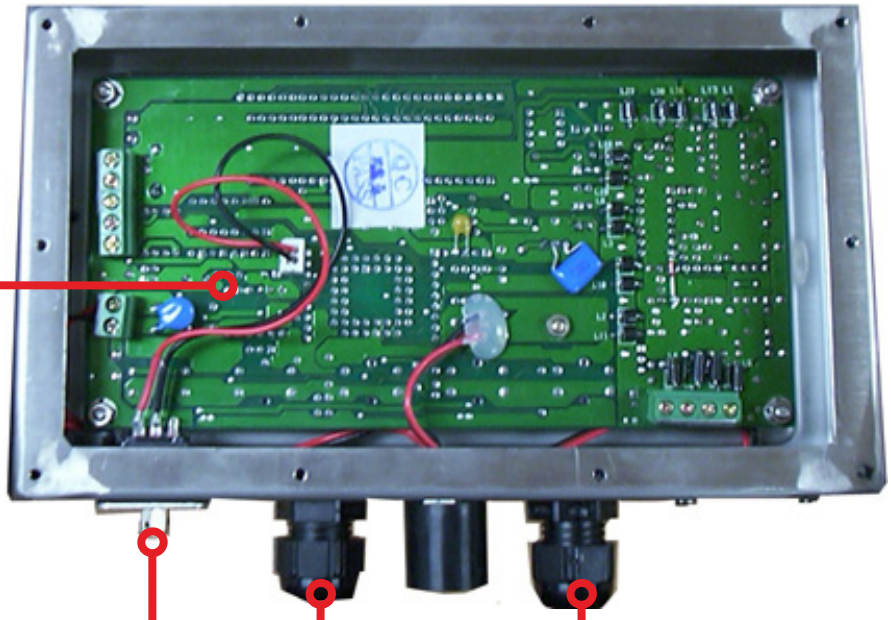
INSTALLATION TI-1200-S (NORMALLY DONE WHEN SHIPPED)



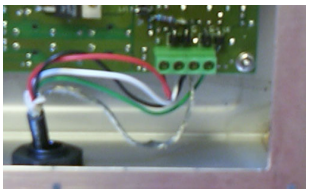


AUTOMATIC START:
Short transistor Q1 between above two points.



NORMAL ◄► CALIBRATION

CALIBRATION SWITCH



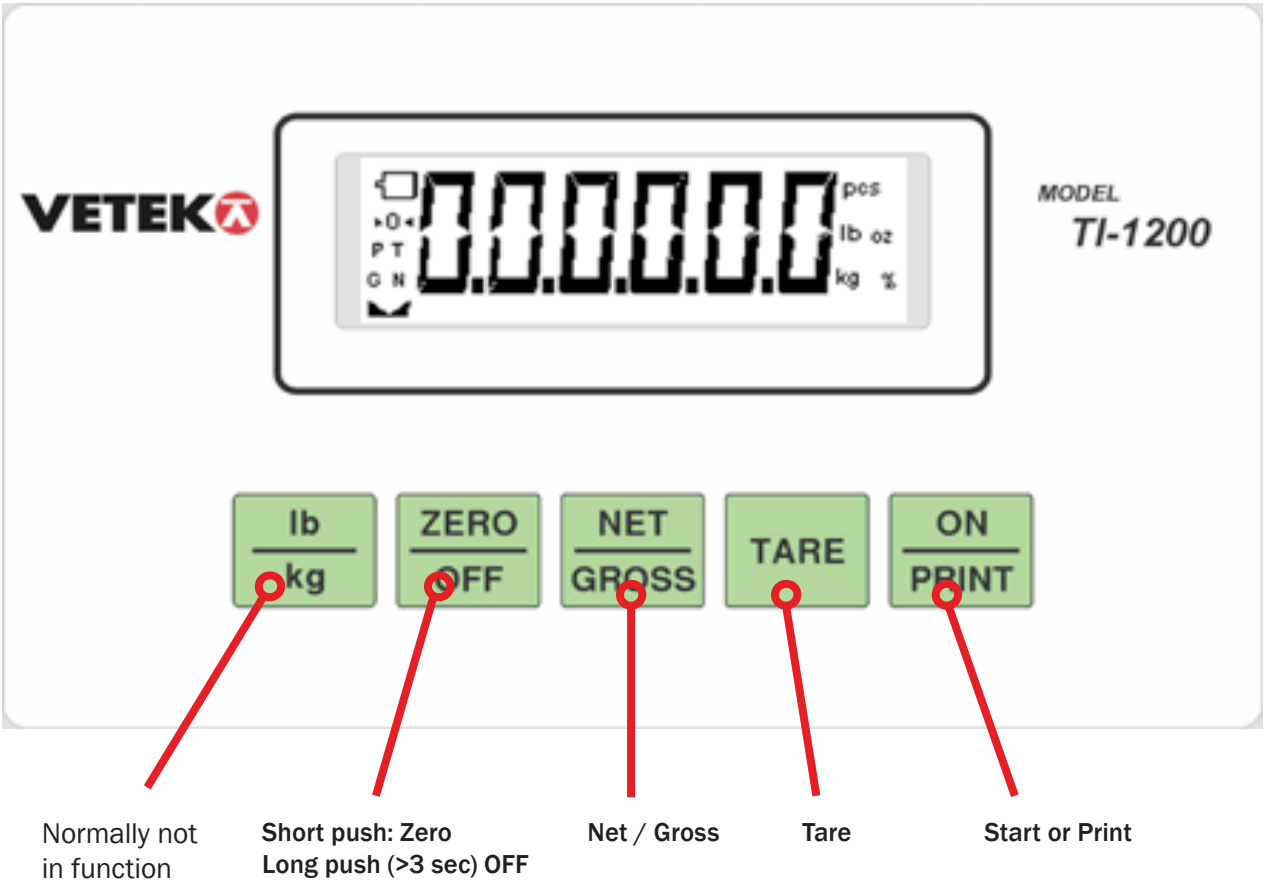
If you want it is possible to demount the contacts and connect the cables direct to battery charger or J2.

- Note: + centre contact

The cable from the Loadcell (s) should be connected to J1.
Remove a sufficient part of the external isolation to avoid strength on the wires.

- Colours, see next page.
- Connect the shield to E -

INSTRUCTION FOR HANDLING



LCD ANNUNCIATOR	MEANING
→0←	Better known as the “Center of Zero” annunciator, this light is active whenever the displayed weight is within ± 0.25 divisions of true zero.
N	Indicates that the indicator is displaying net weight.
G	Indicates that the indicator is displaying gross weight.
T	Indicates that a tare weight has been established in the system.
lb, kg	Indicates the unit of the displayed weight.
▭	Indicates a low battery condition. Re-charge the battery.
▶ ◀	Indicates stable reading.

This manual is for the user of the Scale. It is the last site in the complete manual. Hopefully is this the only needed information. For complete information, contact you wholesaler, Vetek AB or download it from our web site http://www.vetek.net

FAULT LOCALIZATION AND REPAIR

IF THE SCALE IS "DEAD":

1. Check the adapter. The output must be stable 9 - 12 VDC.
2. Check the contacts and the cables.
3. Change the membrane key buttons if you have reason to believe it's broken.

IF THE SCALE STARTS BUT THE DISPLAY SHOWS WRONG:

1. Check the adapter. The output must be stable 9 - 12 VDC
2. Check the Load cells under the beams. Check specially that the feets not are to much up trough the Load cell.
3. Adjust and Calibrate the Scale.
4. Check the contacts and the cables.

IF THE SCALE SHOWS F1:

1. Most likely the Calibration Switch has been changed to calibration mode (?)
2. Reset to normal mode.

CHECK THE INDICATOR AND THE LOAD CELLS

All Load cells are connected parallel. Check the Indicator and the Load cells with a universal volt instrument, See table below.

TERMINAL J1	DESCRIPTION	COLOURS LOADCELL SBS
E+ (1)	OUT +5 VDC*	RED
S+ (2)	IN +	GREEN
E- (3)	OUT 0 VDC	BLACK
S- (4)	IN -	WHITE

IF IT IS PROBLEM TO GET A READING ON THE DISPLAY OR IT IS IMPORTANT TO CALIBRATE:

1. Check the excitation voltage (E+ and E-) from the Indicator. Should be 5,0* (+-0,4) VDC.
2. Check the input to the Indicator (S+ and S-). The output from the Loadcell S+ and S- (pin 2 and 4) will increase from aprox. 0 to 15 mV analogue to the capacity range 3000 kg. Note S+ is plus and S- is minus. The polarity is important.
3. If the input is wrong, <0 mV or > +10 mV with unloaded Scale check the Loadcells. Do have only E+ and E- connected (or probably an external Power 5 VDC) and checks the output from the Loadcells direct on the wires. Should be 0 mV to +15 mV depending on the load (0 – 3 tonne).