

## USER MANUAL

### PERSON SCALES AV-200-EC, AV-200-EC-P AND AL-200-21

(as well as other scales with this indicator and different types of weighing plates)

**AV-200-EC-P is the verifiable version with column.**

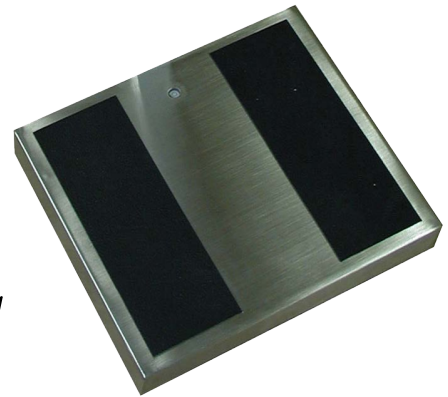
**AV-200-EC is the verifiable version without column.**

**AL-200-21 is a version specially intended for bathhouses.**

For a complete manual on the Scale Indicator TI-1200 contact Vetek AB or download it from our website [www.vetek.com](http://www.vetek.com)



The indicator is preferably mounted on a wall at a height of approx. 75 cm. Alternatively on columns.

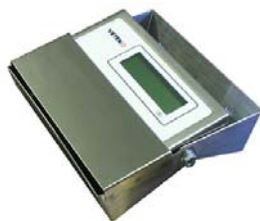


Adjust the feet so that the scale is stable.

For bathhouses: The weighing plate is conveniently placed on the floor with the center approx. 50 cm from the wall. Place the cable in the cable duct. Place the scale so that the risk of tripping is minimized, preferably with a flower nearby. In an environment prone to vandalism, we recommend that cables be laid in stainless steel pipes.

#### Person scale for bathhouses

A "vandal protection" is normally included. The purpose is to protect cables and buttons against sabotage. The screw-nuts are tightly secured.



Included to the column:

1. The column construction itself, with mounting plate and foot.
2. 3 screws

Do like this:

1. Screw the column's mounting plate to the underside of the scale.
2. Screw the column into the mounting plate.
3. Mount the indicator in the bracket.
4. Place the cable in the cable duct.
5. Put the lids on.
6. Check that the cable is not pinching against the weighing plate.
7. Adjust the foot under the column so that the stand is stable.

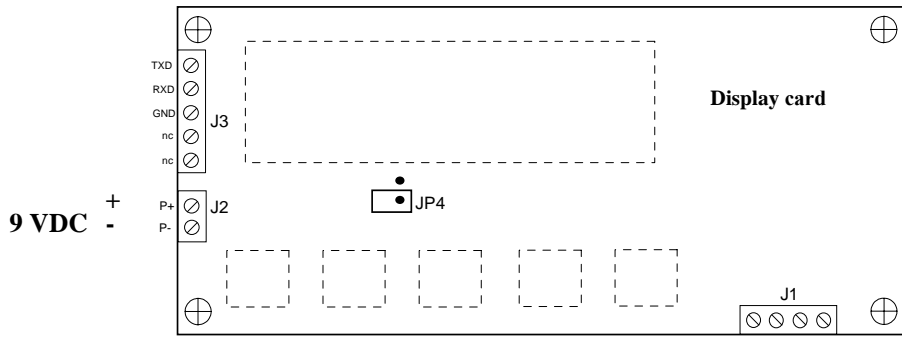


## Introduction

Scale indicator TI-1200-S, which has backlit LCD display, is usually calibrated 0 -200.00 kg with 100 g readability. The weighing plate has a robust load cell with a stainless steel weighing plate. (In the AL-200-21 version, the weighing plate has a stainless steel bottom with the option of screwing on).

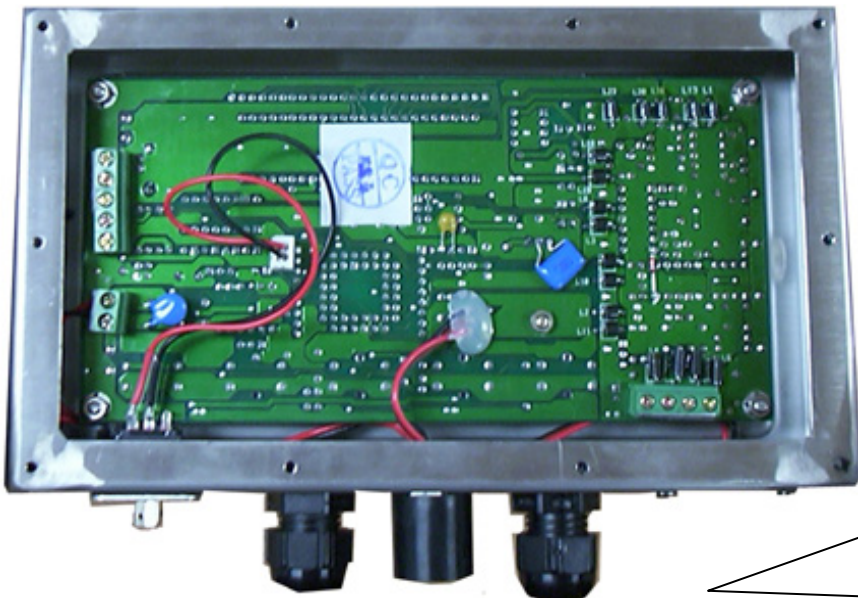
**NOTE!** AV-200-EC(-P) are verifiable scales. If the scale is verified upon delivery, the weighing plate is plugged in and sealed when delivered. The user of the scale is responsible for knowing the regulations that exist, they can be found on SP or Swedac's website or at [www.vetek.com](http://www.vetek.com)

## Installation (this is normally done upon delivery)



R	W	B	G
E	H	L	R
D	I	A	E
	T	C	E
	E	K	N
-----			
G	R	B	W
R	E	L	H
E	D	A	I
E		C	T
N		K	E

Alternatively



Normal ←→ Calibration  
Calibration switch

If desired, the connector can be removed and replaced with a cable gland. Or that the screw connection on the left is used. Recommended for bathhouses.  
**OBS + center contact**

The cable from the load cell(s) is connected to J1. Peel off a piece of the cable's outer insulation so that the wires are not tight in the terminal. Connect the screen to the E-



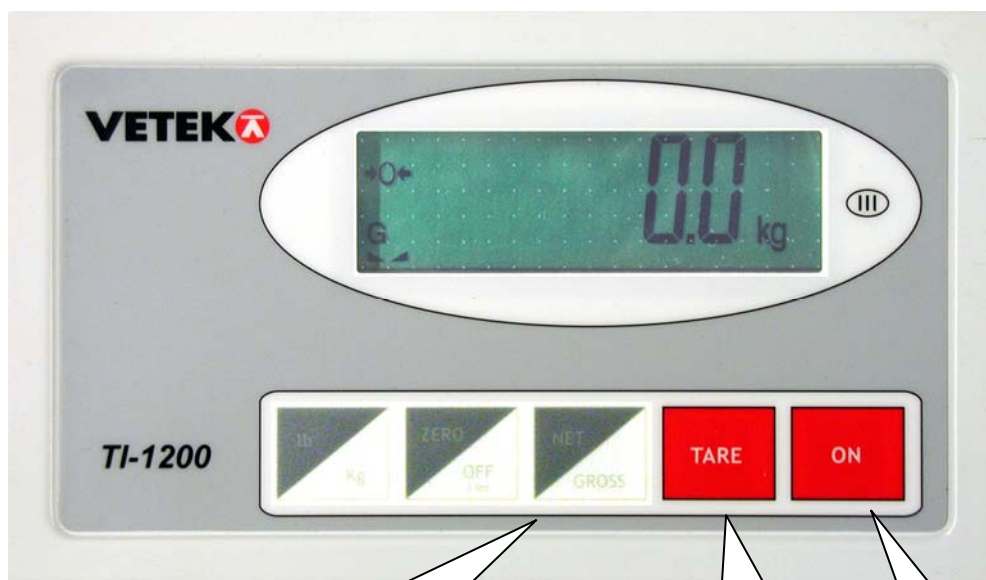
## Operator's manual

This tutorial applies mainly to the applications where it is used as a person scale in public places. For other applications, the complete manual is recommended (go to [www.vetek.com](http://www.vetek.com). / weighing indicators / weighing indicator TI-1200).

For AL-200-21 (Bathroom version) applies:

The buttons are under the vandal protection. The vandal protection is only there to minimize the possibility of inadvertent (or deliberate) tampering with the scale so that it displays errors. The scale parameters are set so that it should be very difficult to Tare (zero) the scale with a load on it. If someone still manages to press ZERO/OFF for 3 seconds, it can be turned off. It is then just a matter of switching the scale back on with ON/PRINT.

If the scale is intended as a person scale, it must always be on. Press ON to start.



Note: The first three buttons are normally only used for calibration and less common commands, e.g. net/gross weighing (NET/GROSS) and e.g. shutdown, e.g. 3 sec on OFF

Tare the scale (resets with load)

Starts the indicator

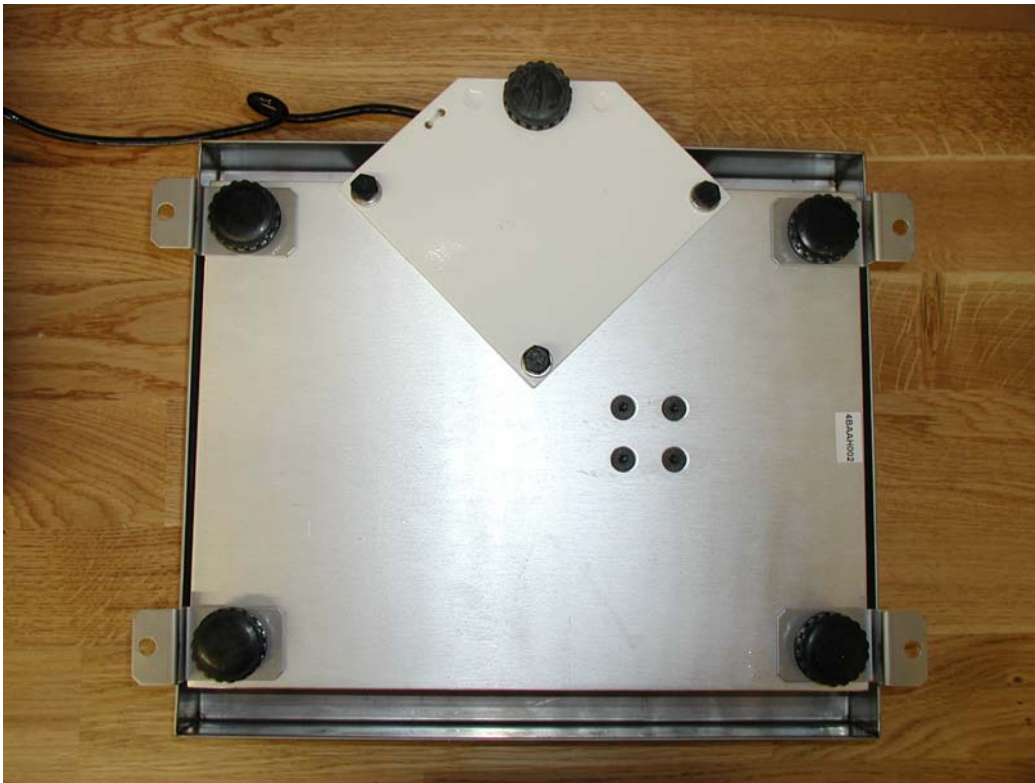
LCD Indicator	Meaning
→0←	Zero indicator which is lit when the displayed weight value is within ± 0.25 parts from the calibrated zero point.
N	Net indicator showing that the display shows net weight.
G	Gross indicator showing that the display shows gross weight.
T	Tare indicator showing that the scale is tare (zeroed to a certain weight).
lb, kg	Indicates the unit (e.g. kg) that the scale shows.
bAtt	Warns for low battery.
▶ ◀	Indicates stable weighing.

**Troubleshooting:** If the information in this instruction is not sufficient, or the scale needs to be calibrated, a complete manual for Scale Indicator TI-1200 can be downloaded from [www.vetek.com](http://www.vetek.com)

All personal scales for hospitals are delivered calibrated 200 kg / 100 g. But for non-verifiable applications, the same scale can be delivered, e.g. 250 kg / 50 g.



**Column montage:**



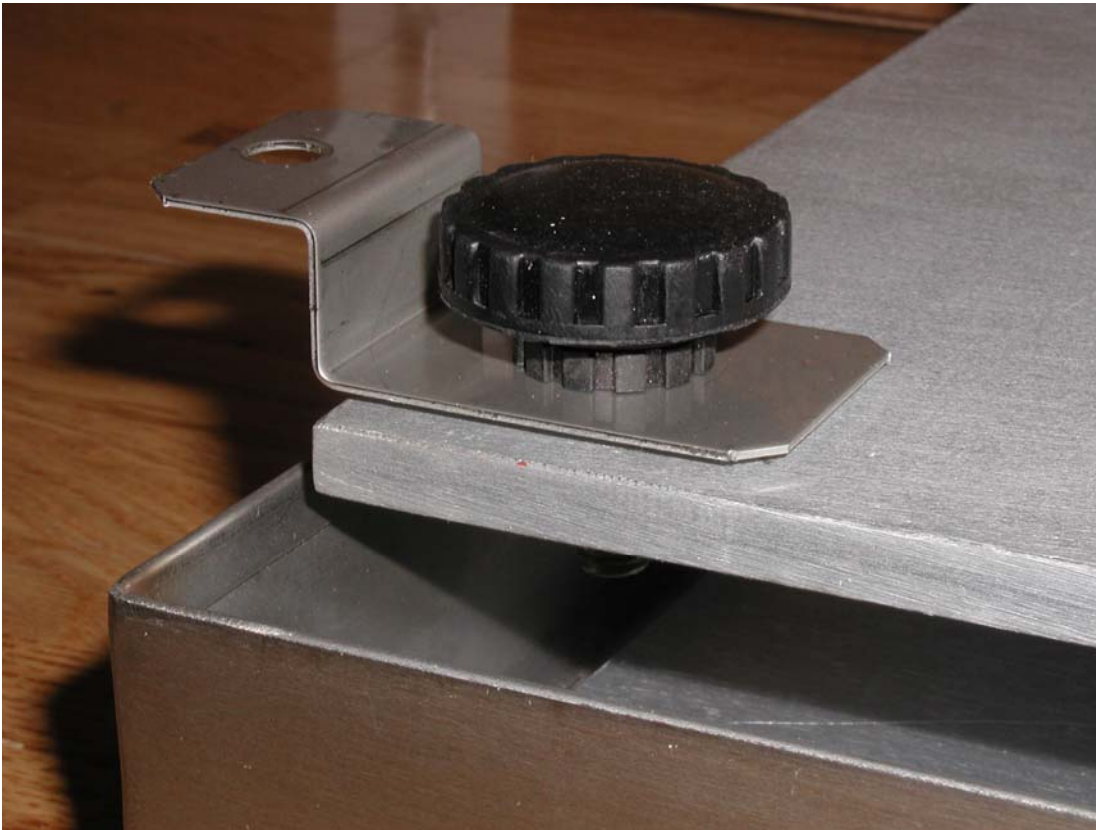
*This is how the column is mounted.*

**Wheels:**



*This is how the wheels are assembled together with the column (option).*

**Fastening accessories:**



*This is how you mount the fastening accessories (option).*

For bathhouses, we recommend that the weighing plate is screwed to the floor. For that reason, two of the tape strips are not stuck to the top plate of the weighing plate. Below these are screws to loosen the upper plate to make it easier to access and screw the lower plate to the floor. When this is done, the anti-slip tape must be firmly attached to the top plate. Just pull off the paper strip and attach the tape. We also recommend that a local electrician places the cables in cable ducts that are screwed into the floor and on the wall.