
BS1015C

USER'S MANUAL

MA13-02/B
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DAVI & CIA
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**INDEX**

	Page
1. DESCRIPTION	3
2. INSTALLATION	4
2.1. Scale assembly	4
2.2. Location and setting	6
2.3. Startup	6
3. OPERATION	7
3.1. LCD symbol description	7
3.2. Key functions	8
3.3. Weighing	8
3.4. Taring	8
3.5. Hold	9
4. SETUP	10
4.1. Connecting with PC	10
5. MAINTENANCE AND CLEANING	12
5.1. Instructions for charge and connect	12
5.2. Instructions for replacing batteries	12
5.3. Environmental	12
5.4. Equipment disposal	12
6. TROUBLESHOOTING	13
7. HEIGHT ROD ACCESSORIES	14
7.1. Height rod assembly	14
7.2. Battery installation	15
7.3. Key functions	15
7.4. Calibrating the height rod	16
7.5. Using the height rod	16
7.6. Troubleshooting	18
7.7. Specifications	18
8. TECHNICAL SPECIFICATIONS	19
9. WARRANTY CERTIFICATE	20
10. CE DECLARATION OF CONFORMITY	21

1. DESCRIPTION



- (1) Display unit
- (2) Display mounting column
- (3) Tray
- (4) Scale platform
- (5) Adjustable feet

2. INSTALLATION

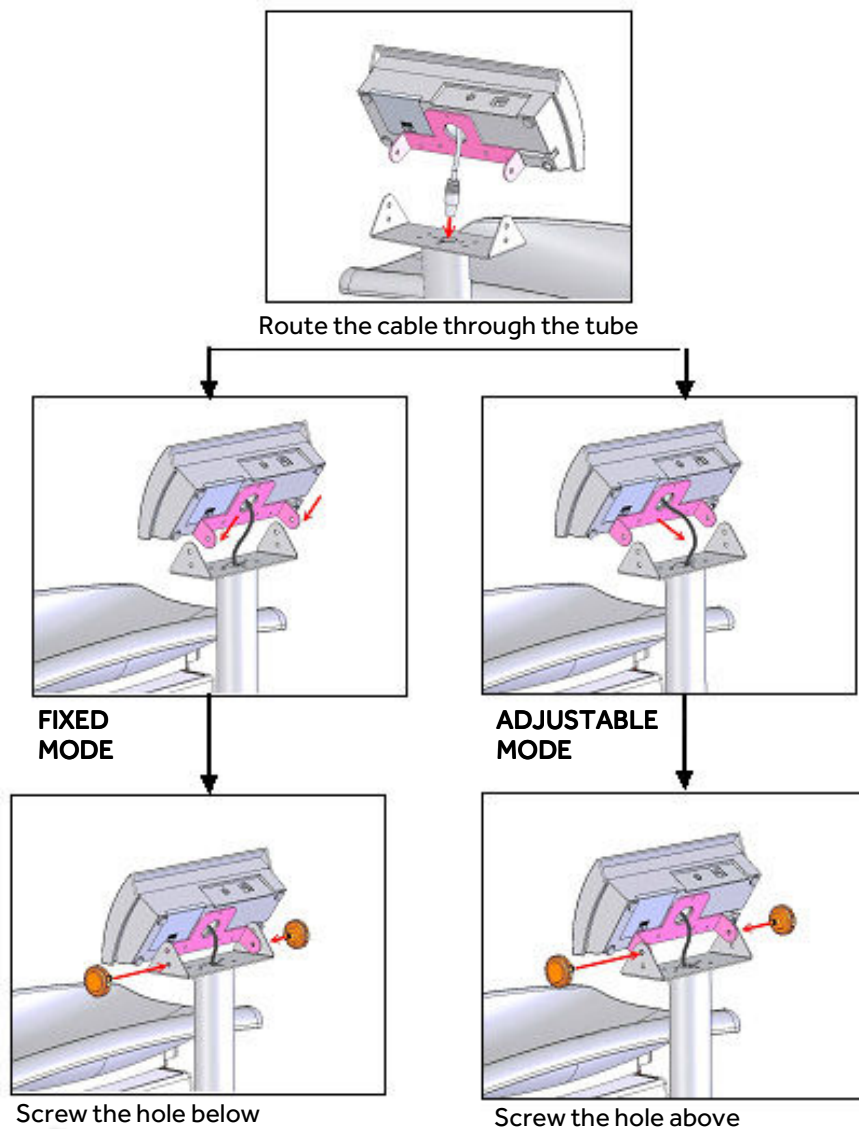
Before putting the device into use, please read with care the information given in the Operating Instructions. They contain important instructions for installation, proper use and maintenance of the device.

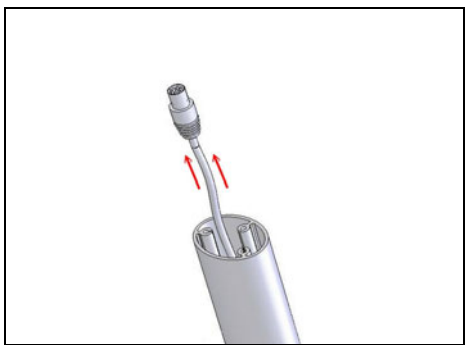
The manufacturer shall not be liable for damages arising out of failure to heed the following instructions:

- When using electrical components under increased safety requirements, always comply with the appropriate regulations.
- Improper installation will render the warranty null and void.
- Ensure the voltage marked on the power supply unit, matches your main power supply.
- This device is designed for use indoors.
- Observe the permissible ambient temperatures for use.
- The device meets the requirements for electromagnetic compatibility. Do not exceed the maximum values specified in the applicable standards.

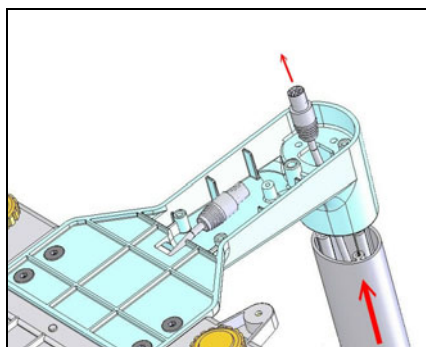
2.1. SCALE ASSEMBLY

Indicator can be installed in FIXED and ADJUSTABLE mode

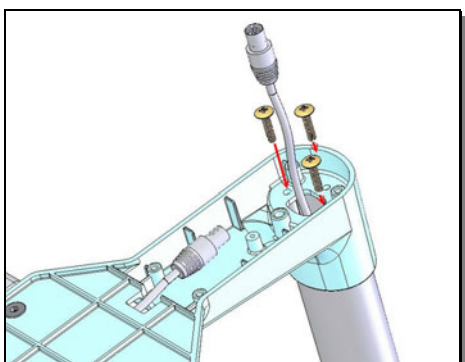




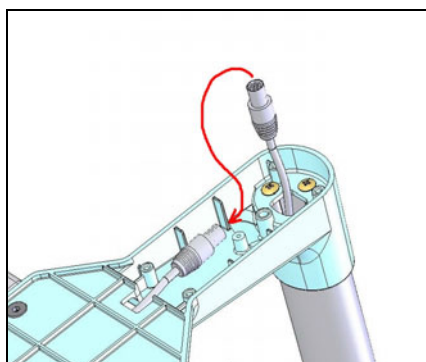
1. Route the cable through the column.



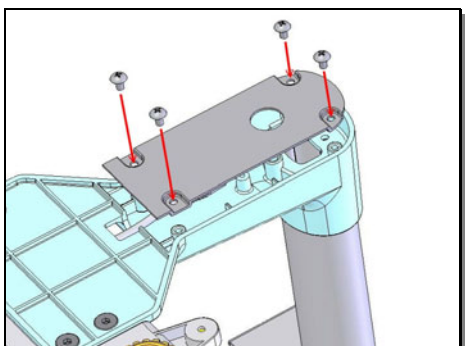
2. Route the cable through the base and screw column to base.



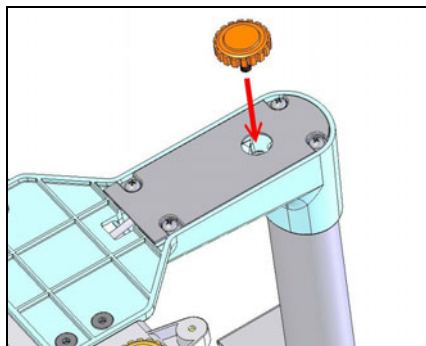
3. Tighten the three base screws by turning clockwise.



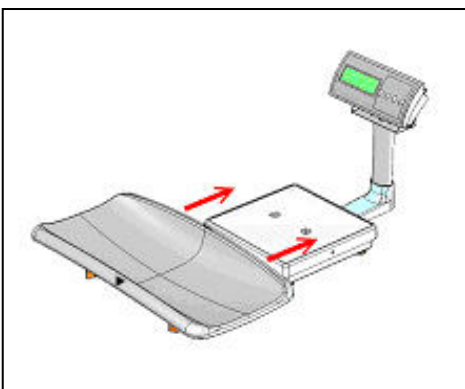
4. Connecting the cable



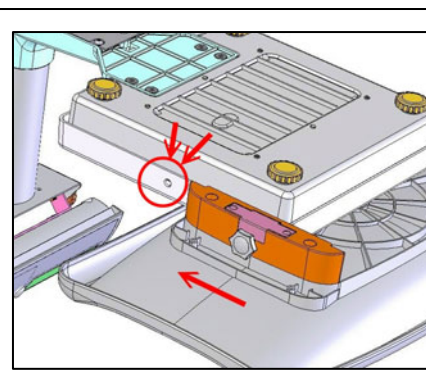
5. Align the bracket on the base and tighten the screws.



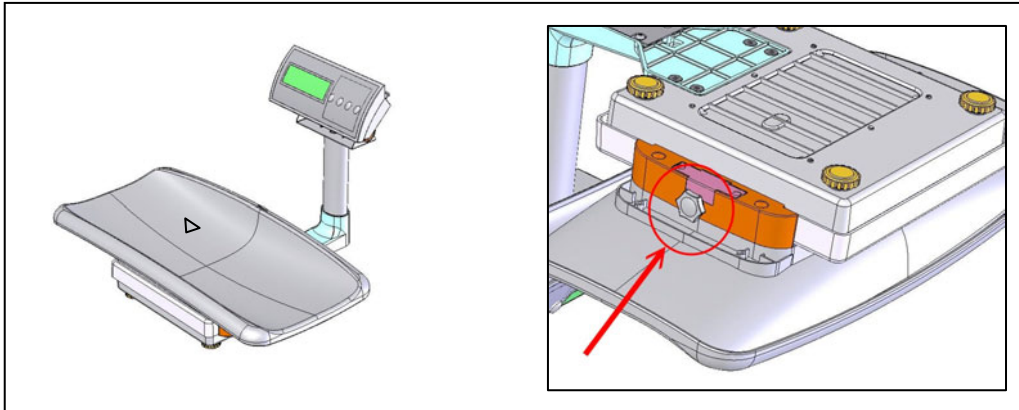
6. Installing the adjustable foot



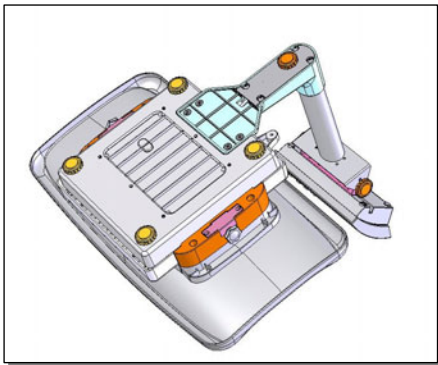
7. Install the tray to the proper location



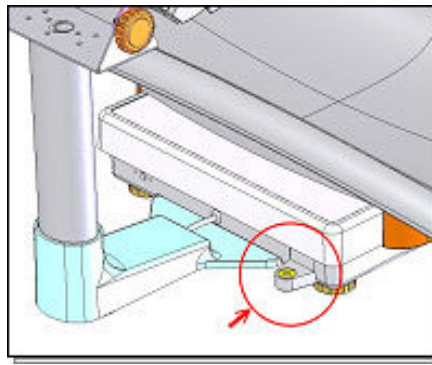
NOTE: Make sure that the weighing tray is installed properly and at the right position.



8. Install the tray at the proper location and tighten the screws on both sides.



9. Assembly finished.



10. Adjust four rubber feet to center bubble level.

2.2. LOCATION AND SETTING

We strongly recommend you use this device on flat and hard surface. Any soft surface, like carpet will cause inaccuracy.

2.3. STARTUP

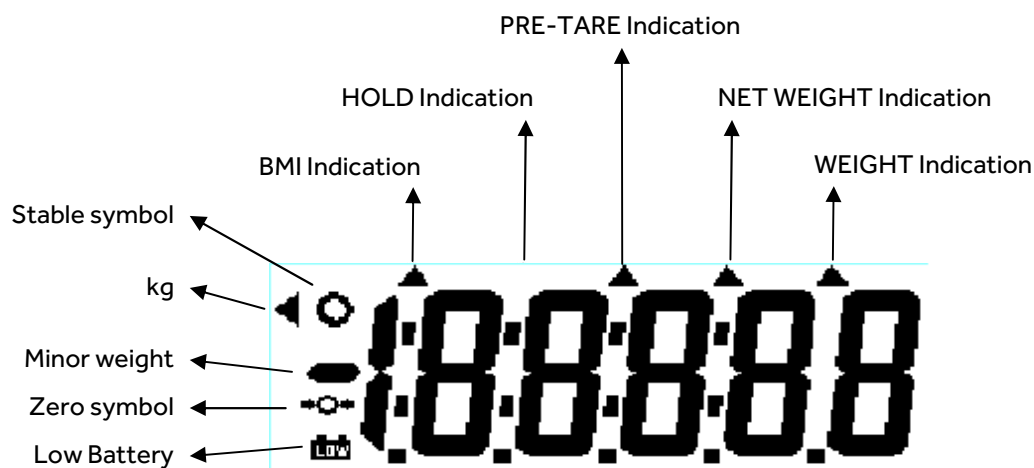
- Connect the equipment to the power supply using the AC adaptor.
- Press the ON/OFF button in the indicator.
- Wait until "0" appears on display.

3. OPERATION

Before reading detailed instructions on how to use all the weighing functions that are built into your scale, please read the following important guidelines:

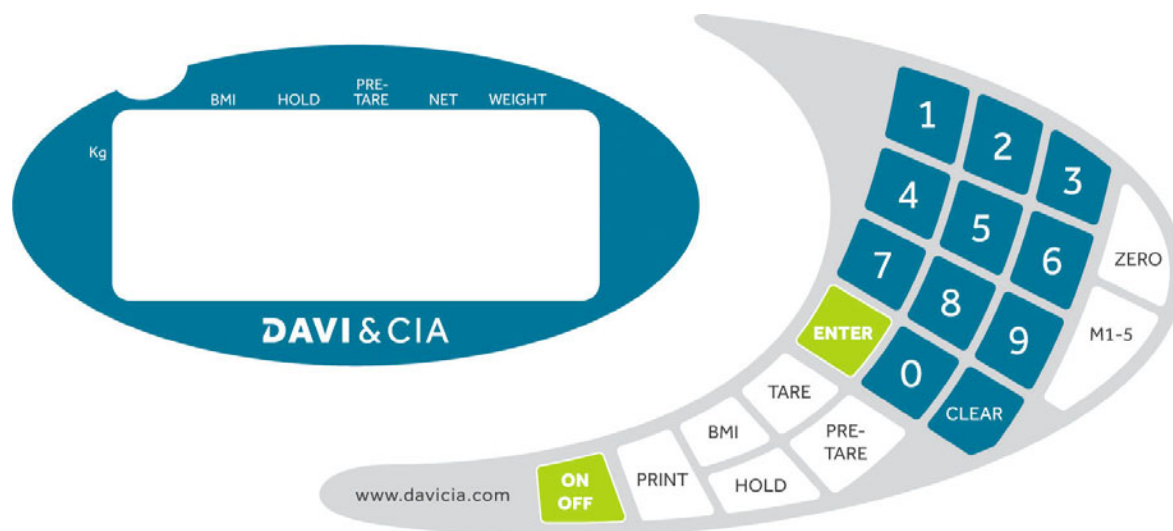
- Always be sure that the display shows `Zero` before use, if it does not then please press the ZERO key.
- The equipment is designed to detect when a stable weight is achieved, your reading should be taken at this point.

3.1. LCD SYMBOL DESCRIPTION



Display	Description
[→ 0 ←]	Zero symbol: If the scale does not show exactly zero value although the scale pan is unloaded, press the [→0←] key. After a short waiting time, the scale will be zeroed again.
○	Stable symbol: If the display shows the stabilization display [0], the scale is in the stable condition. When the scale is in the unstable condition, the stabilization display [0] disappears.
HOLD ▲	Hold function / saving function is active.
NET ▲	The net weight is displayed.
WEIGHT ▲	The present weight value is displayed.

3.2. KEY FUNCTIONS



Designation	Function
ON/OFF-switch	Turn ON/OFF the scale
HOLD button	To hold weighing result on the display / determine stable weighing value
ZERO setting key	To reset the display to 0.0kg display / Zero the scale ($\pm 2\%$ of full capacity)
TARE button	Tare weight during weighing process

3.3. WEIGHING

Switch on the scale with the **[ON/OFF]** key. The diagnostic scale self-check is performed and then the software version is displayed. The scale is ready for weighing when the "0,00 kg" weight display is shown.

*NOTE: If "0,00 kg" won't display on the screen, press **[→0←]** key to zero the scale, **[→0←]** can be used any time to zero the scale.*

Place a person in the middle of the scale. Wait until the stability display (o) is shown and then read the weighing result.

DIRECTION: If a person is heavier than the weighing range, the display will show the "Err" symbol (= overload).

3.4. TARING

Tare allows the user to zero the instrument to cancel the weight of a container/ clothes from the reading of the instrument, thus giving the true weight of the product/ person being tested.

- Turn on the scale using **[ON/OFF]** key.
- When "0,00 kg" displays on the screen and scale beeps twice, place the object (clothes) to be tared on the tray.
- Press **[TARE]** key after the weight stabilizes and stable sign appears on the display.
- Display will return to "0,00 kg"
- Place the item/ baby to be weighed (without removing the tare object). The weighing result is the Net weight of the item / baby.
- To delete the saved tare value, remove the tare object from the tread platform and press **[TARE]** key.

3.5. HOLD

The scale is provided with the integrated hold function (determination of average value). It enables people to be weighed accurately although they are not still on the scale plate.

NOTE: Determination of average value is not possible when a person moves too much.

- Switch on the scale with the **[ON/OFF]** key. The scale self-check diagnostic is performed. The scale is ready for weighing when the "0,00 kg" weight display is shown.
- Place a person in the centre of the scale plate.
- Press the **[HOLD]** key. When the triangle is flashing on the display, the scale takes some measuring values and then the calculated average value is displayed.
- Remove the object/ baby from the scale platform. The object/ baby's weight reading will remain on the display.
- Press the **[HOLD]** key again to return the scale to the normal weighing mode.
- HOLD function can be activated before or after putting the weight on the platform. In case of weighing babies that move a lot, it is recommended to press **[HOLD]** key before the person moves on the platform.

4. SETUP

Switch ON the scale and long press **[ZERO]** key for 3 seconds. First "SETUP" and then "A.OFF" will display successively.

Auto-off time setup

This enables operator to select the auto turn OFF time of the device.

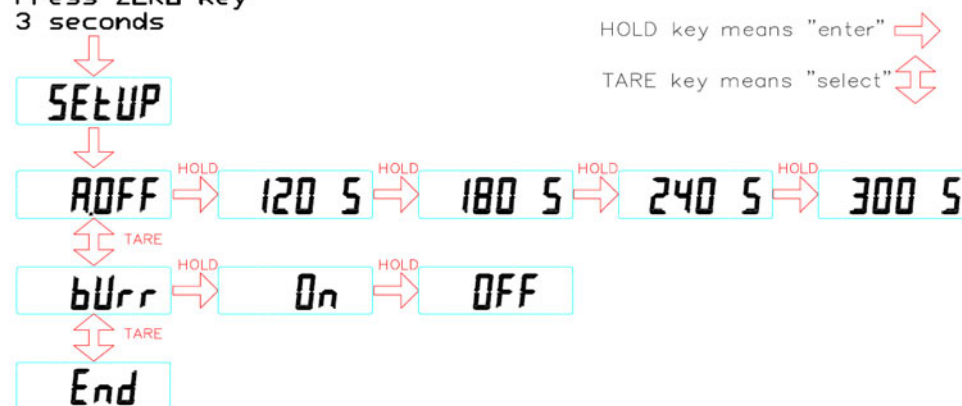
Auto off time: 120 sec/180 sec/240 sec/300 sec/Off

Buzzer on/off setup

This enables operator to select beep sound ON/OFF.

Buzzer: On/Off

Press ZERO key
3 seconds



NOTE: To confirm the settings, please press HOLD when "END" displays on the display.

4.1. CONNECTING WITH PC

The equipment can be connected to PC to transfer the weighing results.

1. Start Hyper Terminal
Start Hyper Terminal program from clicking: Start Menu → Programs → Accessories → Communication → Hyper Terminal.
2. New Connection Description
Give new connection a name then click OK.
3. Select Your COM Port
Click Connect to select your COM port. Usually there's only one option for select. Then click OK.
4. Port Settings
Click Bits per second to set up rate at 9600, Data bits at 8, Parity at None, Stop bits at 1 and Flow control at Hardware. Then click OK to complete your setting.
5. Output Data
When the patient has been weighed and BMI calculated, simply press the PRINT key to output data from scale to PC or an Optional Printer.

Parameters of RS232 interface

Set parameters of the scale interface on the connected device. It is not possible to change the scale parameters.

- Baud rate: 9600 bps

- Parity check: None
- Data length: 8 bits
- Stop bit: 1 bit
- Handshake: RTS/CTS
- Data code: ASCII.

5. MAINTENANCE AND CLEANING

The scale does not require any routine maintenance. However, we recommend checking the scale's accuracy at regular intervals. The regularity of these checks is dependent on the level of use and the state of the scale.

- We would recommend using alcohol based wipes or similar when cleaning the scale.
- Please do not use large amounts of water when cleaning the scale as this will cause damage to the scale's electronics, you should also refrain from using corrosive liquids or high pressure washers.
- Always disconnect the scale from the main power supply before cleaning.

5.1. INSTRUCTIONS FOR CHARGE AND CONNECT

If "Lo" is displayed on the LCD, you should charge scale with AC adaptor.

Locate adaptor plug at the rear of indicator.

CAUTION: Always connect the AC adaptor to the indicator before connecting to the main power supply. Please disconnect the adaptor from main power supply before indicator.

5.2. INSTRUCTIONS FOR REPLACING BATTERIES

- Remove the battery cover
- Take the battery housing out
- Replace new batteries
- Make sure batteries are well installed
- Reinstall the battery housing
- Reinstall the battery cover

5.3. ENVIRONMENTAL

All batteries contain toxic compounds; disposal of batteries should be delegated to a competent organization, complying with the deposit of Poisonous Waste Regulation 1972.

Please do not incinerate batteries.

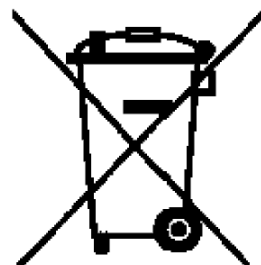
The optimum operating temperature for the scale is 5°C to +35°C; although it will operate at higher and lower temperatures the scale's battery life will adversely be affected.

5.4. EQUIPMENT DISPOSAL

All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.

This crossed-out wheeled bin symbol on the product means the product is covered by the European Directive 2002/96/EC.

The correct disposal and separate collection of the equipment will help prevent potential negative consequences for the environment and human health. It is a precondition for reuse and recycling of used electrical and electronic equipment.



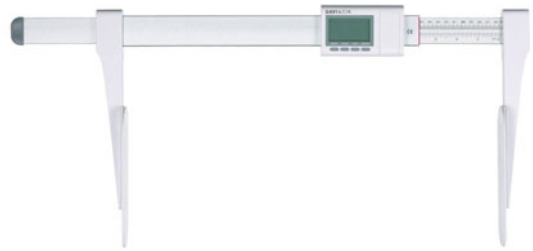
6. TROUBLESHOOTING

Error Message	Reason	Action
Lo	Low Battery: This warning shows that the voltage of battery is too low to use	Please replace a new battery or plug the AC adaptor for operation
Err	Overload: The total load exceeds the maximum capacity of the scale	Please reduce the loading and try again
Err.H	Counting error (too high): Indicates that the signal from the load cell is too high	This error is normally caused by a serious fault on the scales such as faulty load cell or wiring. Please contact the local service representative.
Err.L	Counting error (too low): Indicates that the signal from the load cell is too low	This error is normally caused by a serious fault on the scales such as faulty load cell or wiring. Please contact the local service representative.
00000	Zero count over calibration zero range +10% while power on	Please recalibrate the instrument
00000	Zero count under calibration zero range -10% while power on	Please recalibrate the instrument
Err.P	EEPROM Error: Indicates that there is a fault with the scale's software	This error is normally caused by a serious fault on the scales such as faulty load cell or wiring. Please contact the local service representative.

7. HEIGHT ROD ACCESSORIES

AC2080D

AC2080D is a digital height rod to be mounted on the scale with measuring range of 35~80cm. AC2080D have LCD display for convenient, accurate and quick height measurement.

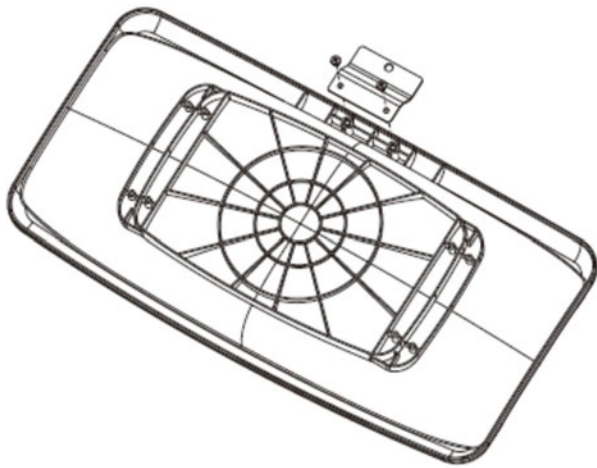


AC2080M

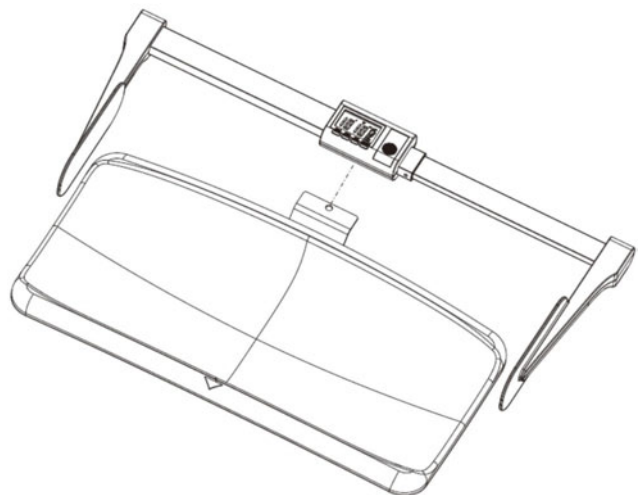
AC2080M is a mechanical height rod to be mounted on the scale with measuring range of 35~80cm, AC2080M don't have LCD display.



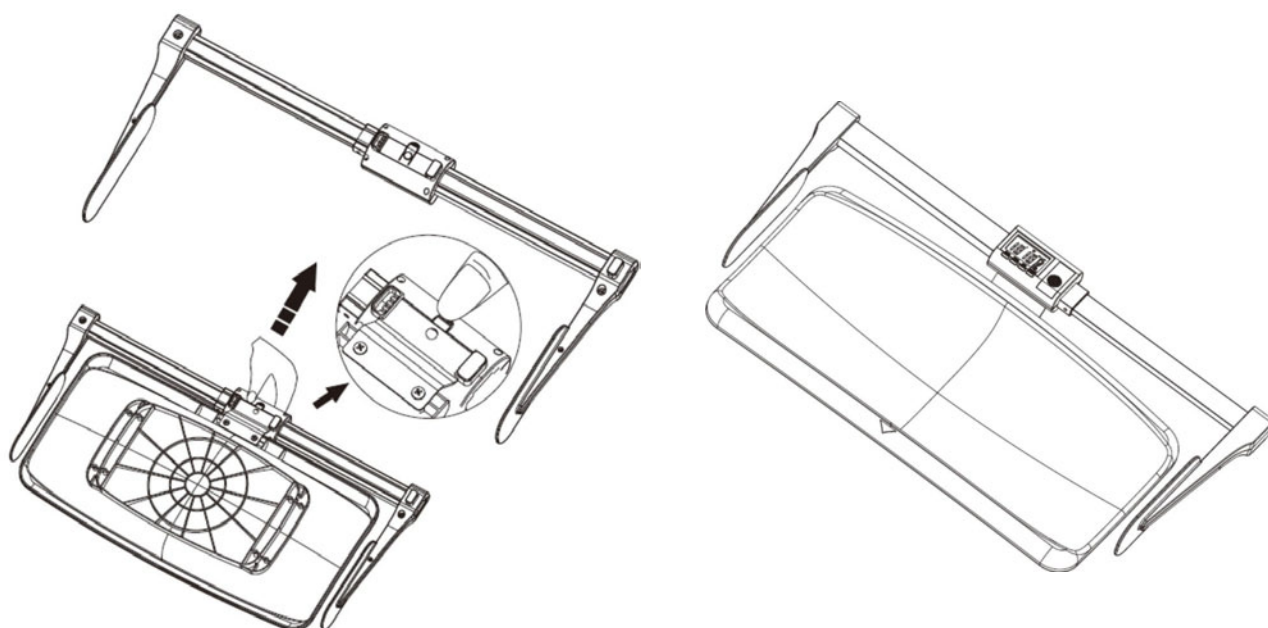
7.1. HEIGHT ROD ASSEMBLY



1. Fix bracket on the tray with two screws



2. Assemble the height rod to the bracket



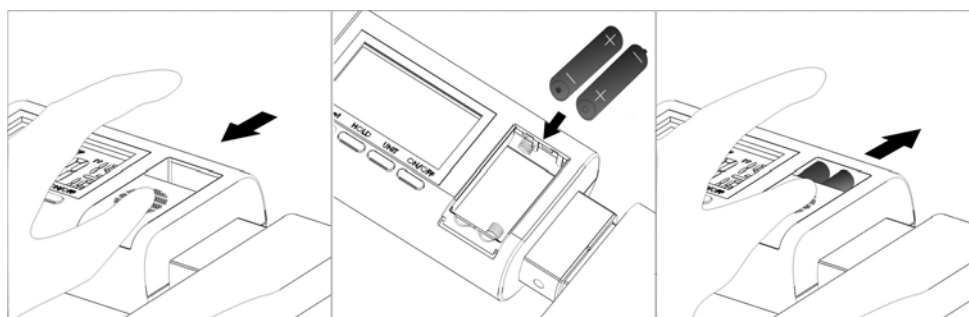
3. Press the buckle to secure the height rod is well installed

4. Assembly complete

7.2. BATTERY INSTALLATION

AC2080M don't need batteries to operate

AC2080D



Installing battery AAA 1.5V x 2 in battery housing next to LCD display.

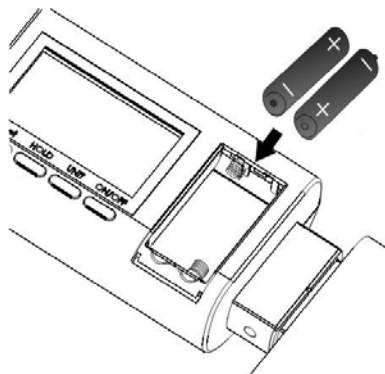
WARNING: If the height rod is not in use for long time, take out the batteries and store them separately, in case of any leakage from battery would damage the measuring rod.

7.3. KEY FUNCTIONS

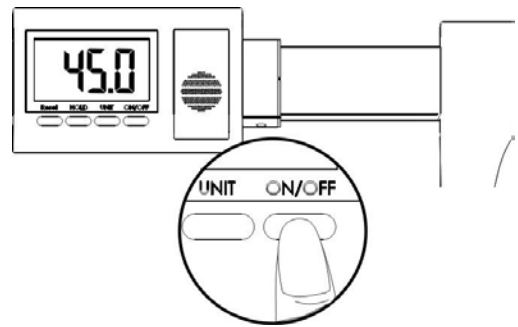
Keys	Description
ON/OFF	Press to switch on and off.
UNIT	To select the measurement unit between cm and inch.
HOLD	To enable value store function during measuring. Current height value of user will be stored and displayed. Press again to disable the function.
RESET	RESET key is for user to calibrate false reading. Slide right feet piece to the left at length of 35cm. Press RESET key to calibrate the height rod. LCD will display 35.0cm which means the height rod has been well calibrated.

7.4. CALIBRATING THE HEIGHT ROD

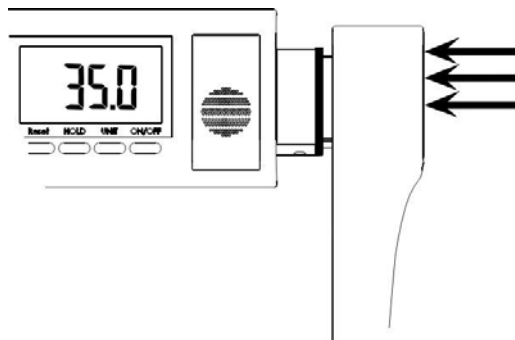
AC2080D



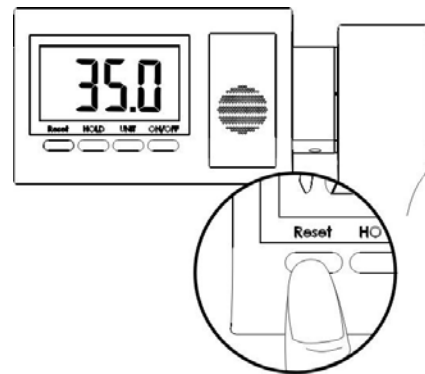
1. Installing battery



2. Press ON/OFF to switch on LCD



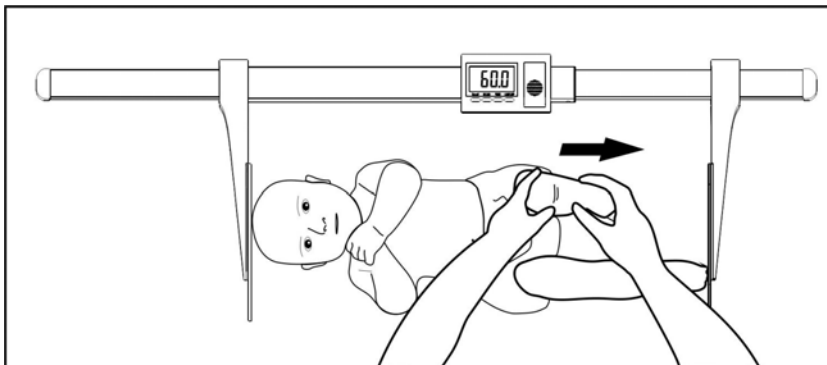
3. Sliding feet piece left to the end.



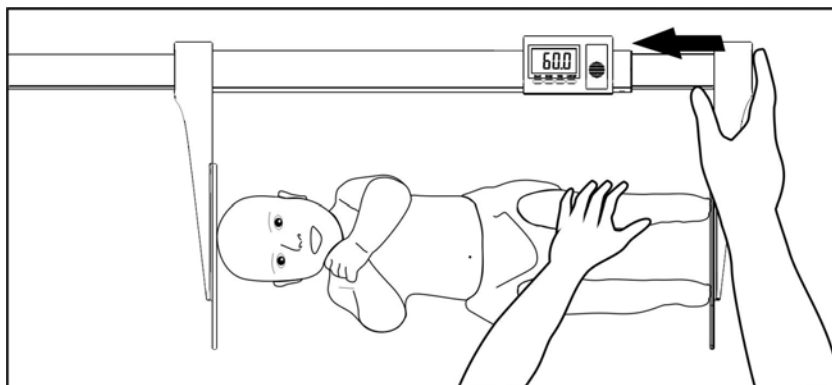
4. Press RESET button to calibrate at 35.0cm

7.5. USING THE HEIGHT ROD

AC1200D

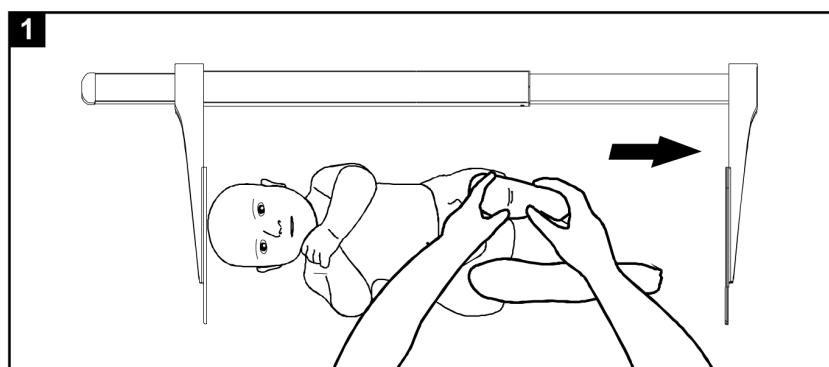


1. Extend the height rod for use
2. Place the baby with his head touching the left top of the height rod
3. Straighten baby's feet

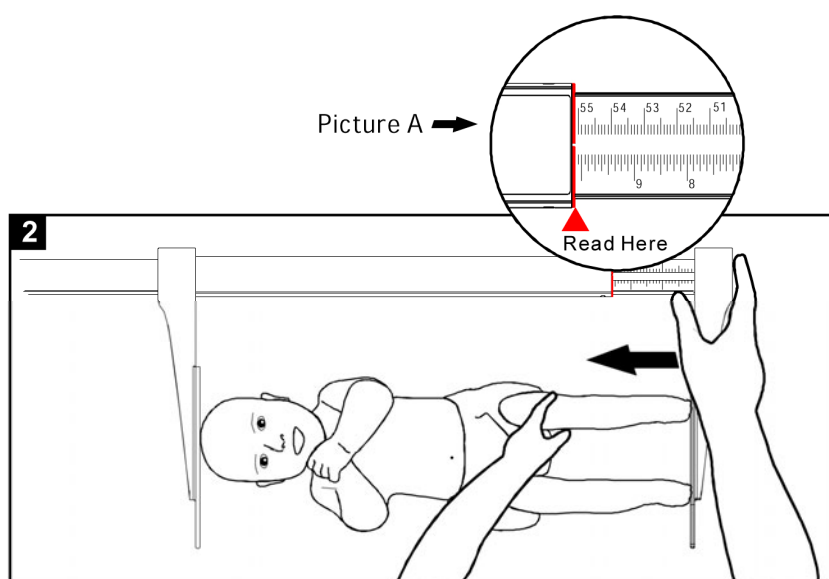


4. Slide the right piece of the height rod until it touches the baby's feet
5. The LCD is displaying the baby's length
6. Press HOLD button to memorize the length reading.
7. Press HOLD again to disable the function and return to normal mode.

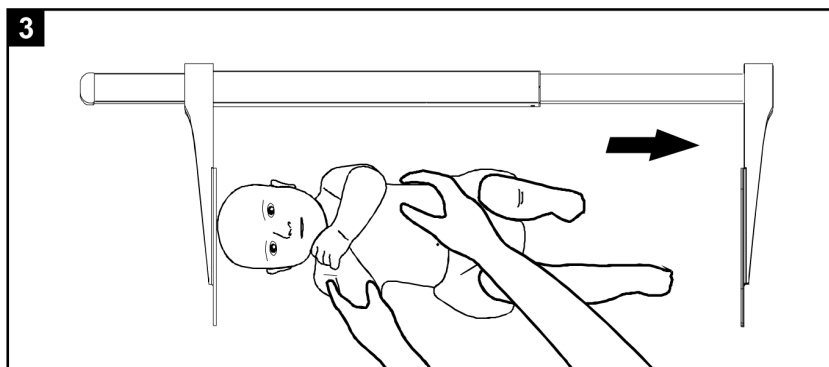
AC1200M



1. Extend the height rod for use
2. Place the baby with his head touching the left top of the height rod
3. Straighten baby's feet



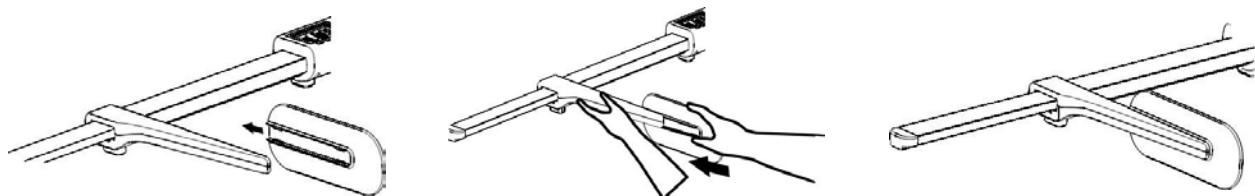
4. Slide the right piece of the height rod until it touches the baby's feet
5. Take reading from Picture A



6. Pull out to use
7. Remove baby

7.6. TROUBLESHOOTING

If feet piece is loose please re-assemble feet piece as below.



NOTE: If the reading has error, please follow RESET procedure for calibration.

7.7. TECHNICAL SPECIFICATIONS

Model	AC2080D	AC2080M
Type	Scale mounted height rod	
Keys	Hold, Reset, Unit	-
Measurement range	35~80cm	
Graduations	1mm	
Dimensions	(W x H x L) 29 x 7 x 62 cm	
Weight	700 g	
Power Supply	2 * AAA-size batteries	-
Temperature range	+10°C up to +40°C	

8. TECHNICAL SPECIFICATIONS

Model:	BS1015C
Capacity:	15 kg x 2g <6 kg > 5g
Display:	LCD display with 5 and 1/2 digits. Digit size: 24mm
Tray dimensions:	550 x 290 mm
Power supply:	AC adapter 15V 300mA /Rechargeable Battery
Key Functions:	ON/OFF,ZERO, PRINT, BMI, HOLD, PRE-TARE,TARE, CLEAR, ENTER, 0~9, M1-5
Operation temperature:	5°C / 35°C

9. WARRANTY CERTIFICATE

We provide a **1-year** guarantee from the date of purchase. The guarantee covers manufacturing defects or defects occurring as a result of normal use and operation.

It excludes all removable parts such as batteries, wires, power supply devices, etc. Faults falling within the guarantee period shall be rectified free of charge upon presentation of the purchase receipt for the appliance. No other rights can be taken into consideration.


Return shipment is at the customer's expense if the appliance is anywhere other than at the customer's headquarters.

In the event of damage during shipment, guarantee rights will be granted only if the appliance is shipped in the original packaging. You are therefore recommended to keep the original packaging.

Following expiry of the guarantee period, all services requested will be dealt with by our specialist technicians at the user's expense.

10. CE DECLARATION OF CONFORMITY

CE DECLARATION OF CONFORMITY	
FABRICANTE PRODUCTO: PRODUCT MANUFACTURER:	DAVI & CIA S.L.
DIRECCIÓN: ADDRESS	C/ Murcia, 35, Nave G Polígono Industrial Can Calderón E08830 Sant Boi de Llobregat BARCELONA - ESPAÑA
DECLARAN BAJO SU RESPONSABILIDAD QUE EL PRODUCTO: DECLARE UNDER THEIR RESPONSIBILITY THAT THE PRODUCT	
Marca Brand	DAVI & CIA
Nombre Name	BS1015C
Tipo Type	EQUIPO ELECTRONICO Electronic equipment
Finalidad Prevista Intended Use	Equipo pesapersonas. Weighing equipment.
CUMPLE LOS REQUISITOS DE LAS DIRECTIVAS: CONFORMS WITH THE REQUISITES OF THE DIRECTIVES	
EC Directive 2004/108/EC	Directiva de Compatibilidad Electromagnética (<i>Electromagnetic Compatibility Directive</i>)
EC Directive 2006/95/EC	Directiva de Baja tensión (<i>Low Voltage Directive</i>).
EC Directive 93/42/EEC	Aplicable únicamente a las básculas con aprobación médica (<i>Applies only to scales with medical approval</i>).
<div style="display: flex; justify-content: space-between;"> FECHA: 12 de Diciembre de 2010 DATE: 12th December 2010 </div>	

Nombre: <i>Name</i>	J.Masana
Firmado: <i>Signed</i>	
Cargo: <i>Function</i>	Gerente DAVI & CIA



USER'S MANUAL

MA13-02/B

This manual and other support documents are available on the web

www.davicia.com

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