



pylo 200-LTE Cellular Scale User Manual

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pylo 200-LTE Cellular Scale



Thank you for choosing Pylo Health!

This manual outlines how to use your Pylo LTE weight scale safely and correctly. Please be sure to read it thoroughly and keep it for future reference

Symbol Meanings

The symbols below may be in the user manual, labeling, or other component. They are the standard requirement of use.

	Refer to instruction manual/booklet To signify that the instruction manual/booklet must be read.		
	Serial Number		Date of Manufacture
	Direct Current		General symbol for recovery/recyclable
	Type BF applied part		Temperature limit
	Humidity limitation		Atmospheric pressure limitation
	Caution Indicates that caution is necessary when operating the device or that the to where the symbol is placed, or that the current situation needs operator awareness or operator action in order to avoid undesirable consequences.		The symbol indicates that the product should not be discarded as unsorted waste but must be sent to separate collection facilities for recovery and recycling.

CAUTION

- The Pylo 200-LTE offers you a way to manage your health. Please be aware that this device is designed for use by those over the age of 10. Any information provided by this device is in no way meant to treat cure or prevent any disease or illness.
- The Pylo 200 LTE was designed for self-measurement of weight. No third-party operation is required.
- The Pylo 200-LTE is equipped with a data transmission function and may emit electromagnetic energy while connecting and transmitting data. Nearby portable and mobile RF communications equipment can affect the performance of the device.
- Portable and mobile RF communications equipment can affect the measuring accuracy of the Pylo 200-LTE device.
- The use of accessories, transducers, or cables other than those specified or those sold by the manufacturer as replacement parts for internal components, may result in increased electromagnetic emissions or decreased

immunity.

- The misuse of electrical equipment, such as this device, can cause electric shock, burns, fire and other hazards. Please do not use the device in a flammable gas environment.
- The Pylo LTE-200 should not be used while adjacent to or stacked with other equipment.
- The glass surface of the scale is a type BF BF-applied part.
- The device comes pre-calibrated and is rated to not need recalibrating for at least five years of standard use.
- Please use the device under the operating conditions provided in this user manual. Otherwise, the performance and lifetime of the device may be impacted.
- Store your device in a clean and dry place. Never place any heavy objects on it.
- Dispose of accessories, detachable parts, and the device according to local guidelines.

Safety Information

INDICATIONS FOR USE

The Pylo 200-LTE is intended for adults and children over 10 years old for measuring body weight at home.

Your Scale and Its Environment

To ensure your safety as well as the service life of your scale, DO NOT use the scale:

- On a slippery flooring surface, such as tile,
- Immediately after a shower or otherwise with wet feet,
- Directly next to a cell phone, microwave oven or other electromagnetically active devices.

Avoid storage in the following locations:

- Near water or other liquids.
- Where the device may be exposed to extreme temperatures, humidity, moisture, direct sunlight, dust, or salt air. Where there is risk of shock or dropping the scale.
- Where you store chemicals or corrosive gases.
- Where in reach of the infants or children.

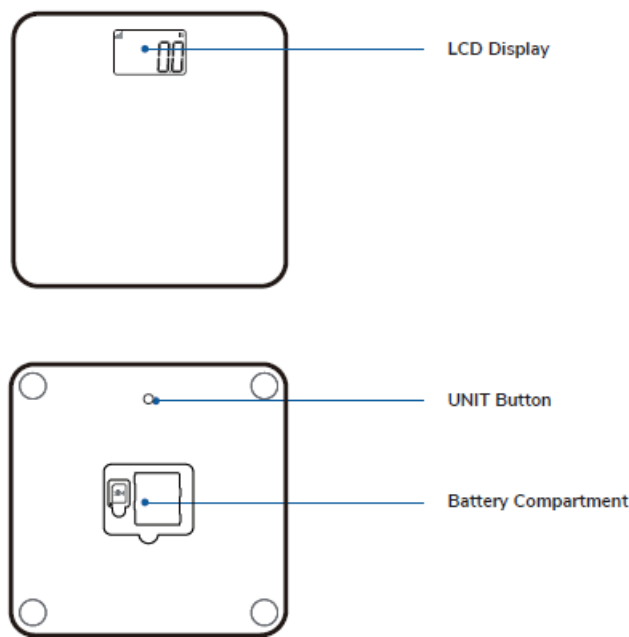
Efficient Use of Your Scale

To ensure the accuracy of measurement, please follow the below instructions when you start measurement.

- Place the scale on a hard, flat surface. Soft or uneven surfaces will negatively affect the safety and accuracy of the scale.
- Take your weight measurements at the same time each day.
- Avoid measurement immediately after strenuous exercise, sauna, or bathing.
- Avoid measurements within two hours of eating a moderate or large meal.
- This device is not intended for use in an oxygen-rich environment.
- Any information provided by this scale is in no way meant to treat, cure, or prevent any disease or illness. If in doubt, always contact your physician.
- The device is designed for use in the home.

Overview

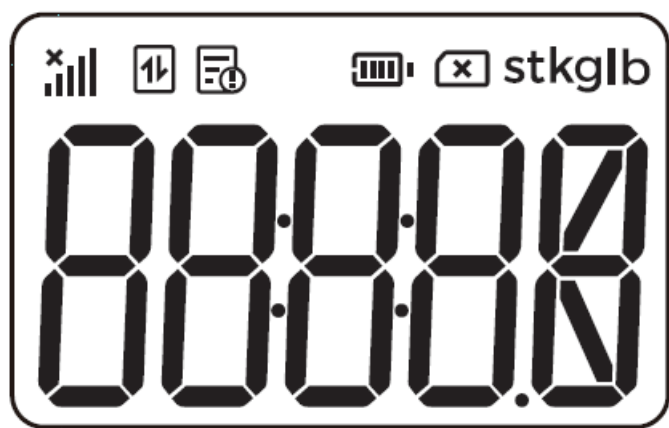
Device Components



Included Components

- 1. Pylo 200-LTE Scale
- 2. Four AA-size Batteries (1.5V per each)
- 3. User Manual
- 4. Quick Start Guide

LCD Display



kg	Kilogram		Mobile signal
st lb	Stone		Data transmitting
lb	Pound		There are readings stored to transmit.
	Battery symbol		No SIM card information

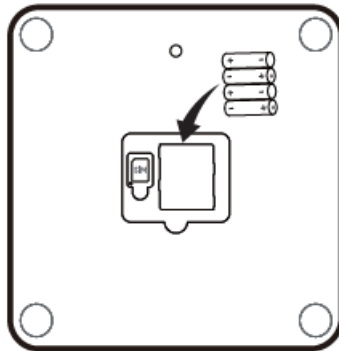
Initial Start-Up

General Instructions

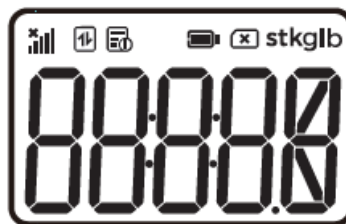
The Pylo 200-LTE utilizes step-sensing technology. It is not necessary to turn the scale on or off manually. Instead, the scale will turn on when it detects a user and automatically turn itself off after the measurement is complete.

Inserting the Batteries

- Open the battery door in the back of the scale.
- Insert the batteries (4 x 1.5V AA) according to the polarity indications marked inside the battery compartment.



- Once batteries are inserted correctly, the screen will briefly flash all digits, like below:

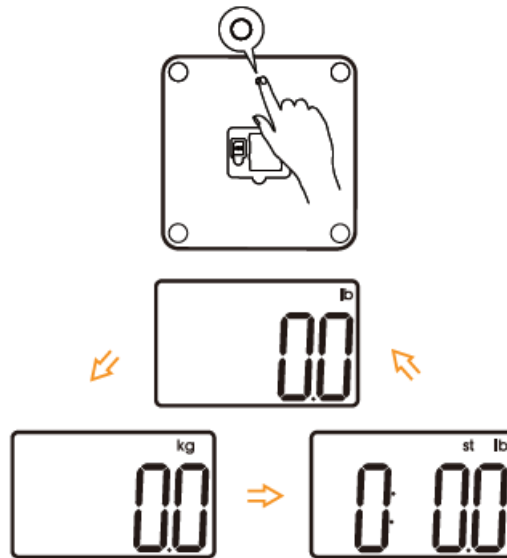


CAUTION

- When the symbol is shown, it is time to replace the batteries on the device. Please replace all four batteries at once. Do not mix used and new batteries.
- Depleted batteries are hazardous waste. Do NOT dispose of them together with the household garbage.
- Please refer to the local ordinances and recycling instructions regarding disposal of the worn batteries and scrapped devices.
- Do not mix alkaline, standard (carbon-zinc), or rechargeable (Ni-Cd, Ni-MH, etc) batteries.
- If you do not intend to use this unit for a prolonged period of time, remove the batteries before storing.
- If the scale is used three times per day, fresh batteries can be expected to last around one year.

Changing the Measurement Unit

The unit switch button is on the back of the scale. The default measurement unit is "lb". You may press the button to choose among "pound", "kilogram" and "stone".



Daily Measurement

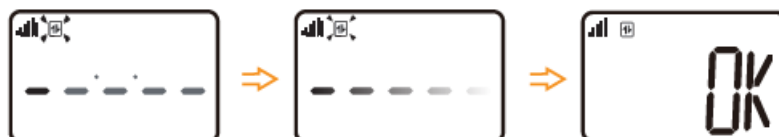
After placing the scale on a flat and hard surface, step onto the scale platform to initiate a weight measurement. Be sure to take off your shoes and any bulky items of clothing!





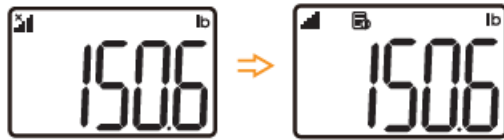
- Stand still and keep full contact with the scale. Once the display screen blinks twice a measurement has been taken and locked. The scale will then automatically connect to the internet to send the reading.



- After connecting to the internet, the weight data will be transmitted. When data is successfully transmitted, “OK” will be displayed and the digit “ ” will appear.



- In the event that the scale is unable to reach the mobile network, “ ” will be displayed. In this case, the measurement is saved and will be sent on the next successful transmission. When a measurement is saved pending transmission, the “ ” is shown until success.



Troubleshooting

Error Prompts

Symbol & Code	Description	How to solve
	Overload.	Retake measurement. If the issue persists, please check if your weight is out of measurement range (11 lb to 440 lb / 5 kg to 200 kg / 0 st : 11 lb to 31 st : 1 lb)
	SIM error.	If the issue persists, contact customer support.
	No signal.	1. Move the scale to an area with better signal such as near a window. 2. Contact customer support.
	Hardware error (such as the communication between the MCU and the module is abnormal.)	Retake measurement. If the issue persists, contact customer support.
	Data transmission error	Move to another area, preferably closer to a window. Attempt to use the device at a location where you get a strong cellular signal with your mobile phone.
	No cellular coverage or Cellular connection error	Move to another area, preferably closer to a window. Use the device at a location where you get strong cellular signal with your mobile phone.
	The pre-loaded SIM card is replaced or the SIM service subscription suspended / terminated.	If the issue persists, contact customer support.
	Server connection error	Move to another area, preferably closer to a window, try again. Use the device at a location where you get strong cellular signal with your mobile phone. If the issue persists, contact customer support.
	Certificate error	Contact customer support.
	Hardware error	Retake measurement. If the issue persists, contact customer support.

Troubleshooting Guide

Problem	Root Cause	Solution
No display on LCD when the device powers on	Batteries not yet installed	Install the batteries. (Please refer to Insert the Battery)
	Worn batteries	Replace device batteries with four new AA batteries.
The device powers off automatically	Worn batteries	Replace device batteries with four new AA batteries.

About the Accuracy of This Product

- This product passes strict inspection before delivery and therefore its accuracy is guaranteed by the manufacturer. Please refer to the above table for the descriptions on accuracy.
- This product is specially designed for the measurement of body weight.
- It should NOT be used for commercial transactions based on weight or other measurement.

Specifications

Product Name	Pylo 200-LTE Weight Scale
Dimension	Approx 320x320x28.5 mm
Net Weight	Approximately 2.16 kg (Excluding the drycells)
Display	Digital LCD
Measurement Unit	Pound / Kilogram / Stone
Measurement Range	11 lb to 440 lb / 5 kg to 200 kg / 0 st : 11 lb to 31 st : 1 lb
Division	0.1 kg / 0.2 lb
Accuracy	50 ± 0.2 kg; 100 ± 0.3 kg; 150 ± 0.4 kg; 200 ± 0.5 kg;
Working Environment	Temperature: 5 °C to 40°C Relative Humidity: ≤90% RH Atmospheric pressure: 86 kPa to 106 kPa
Storage Environment	Temperature: -20 °C to 60°C Relative Humidity: ≤90% RH Atmospheric pressure: 50 kPa to 106 kPa
Power Source	6V (Four AA-size Batteries)
Auto-ON	Automatic when user steps on platform.
Auto-OFF	About 10 seconds when no weight is present on platform.
Accessories	1. Four AA-size Batteries 2. User Manual 3. Quick Start Guide
Mode of Operation	Continuous Operation
Protection Against Ingress of Water	IP21 (2: Protected against solid foreign objects of 12.5 mm Φ and great er. 1 : Protection against vertically falling water drops.)
Degree of protection	Type BF applied part

Maintenance

When carrying out usual maintenance, please ensure practice of the following Do's and Don'ts:

- Clean the device after use.
- DO use a dry soft cloth to wipe the dust.
- DO use a wet soft cloth, dipped into water and wrung out, to wipe the dirt. Then use a dry soft cloth to dry up

the device.

- DON'T wash the device with water or immerse it in water.
- DON'T use propellant, abrasive or other chemicals to wipe the dirt in avoidance of discolor or malfunction.
- Do not attempt to repair the device or replace components (e.g., transducers, LCD, etc.) by yourself. If you suspect an incorrect operation, contact customer support for further assistance. At the request of authorized service personnel, circuit diagrams, component part lists, descriptions, and calibration procedures will be made available by the manufacturer or distributor.
- Do Not disassemble this device. If you have problems, contact customer support (Please refer to the section of "Warranty" for customer support information).
- No service and maintenance while in use.

Warranty

- Pylo Health warrants that this device is free of defects in materials and workmanship in normal use for a period of one year from the date of purchase.
- This warranty does NOT cover damages caused by misuse or abuse, including but not limited to: Failure caused by unauthorized repairs or modifications; Damage caused by shock or drop during transportation; Failure caused by improper operation inconsistent with the instructions stated in this user manual; Malfunction or damage from failure to provide the recommended maintenance; Damage caused by improper use of power supply.

FCC Regulations

FCC User Guide Information

Radio Frequency Interface Requirements – FCC

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna;
- Increase the separation between the equipment and receiver;
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected;
- Consult the dealer or an experienced radio / TV technician for help.

Radio Transmitters (Part 15)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC SAR statement

- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

- The portable device is designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA).
- These requirements set a SAR limit of 4.0 W/kg averaged over one gram of tissue.
- The highest SAR value reported under this standard during product certification for use when properly worn on the extremity (hands/feet/ankle/wrist).

Appendix

Warning

The included Medical Electrical (ME) equipment/system is suitable for home healthcare environments.

- **Warning:** Don't use a device near active HF surgical equipment or in the RF-shielded room of an ME system for magnetic resonance imaging, where the intensity of EM disturbances is high.
- **Warning:** Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.
- **Warning:** Use of accessories, transducers, and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.
- **Warning:** Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the device, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result

EMC Guidance

Guidance and manufacturer's declaration-electromagnetic emissions and immunity.

Table 1

Guidance and manufacturer's declaration – electromagnetic emissions	
Emissions test	Compliance
RF emissions CISPR 11	Group 1
RF emissions CISPR 11	Class B
Harmonic emissions IEC 61000-3-2	Not applicable
Voltage fluctuations/flicker emissions IEC 61000-3-3	Not applicable

Table 2

Guidance and manufacturer's declaration-electromagnetic immunity		
Immunity Test	IEC 60601-1-2 Test level	Compliance level
Electrostatic discharge (ESD) IE C 61000-4-2	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air
Electrical fast transient/burst IE C 61000-4-4	Not applicable	Not applicable
Surge IEC 61000-4-5	Not applicable	Not applicable
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	Not applicable	Not applicable
Power frequency magnetic field IEC 61000-4-8	30 A/m 50 Hz/60 Hz	30 A/m 50 Hz/60 Hz
Conducted RF IEC 61000-4-8	Not applicable	Not applicable
Radiated RF IEC 61000-4-3	10 V/m 80 MHz-2.7 GHz 80% AM at 1 kHz	10 V/m 80 MHz-2.7 GHz 80% AM at 1 kHz
NOTE UT is the a.c. means voltage prior to application of test level		

Table 3


Guidance and manufacturer's declaration – electromagnetic immunity

Radiated RF IEC61000-4-3 (Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communications equipment)	Test Frequency (MHz)	Band (MHz)	Service	Modulation	Maximum Power (W)	Distance (m)	IEC 60601-1-2 Test Level (V/m)	Compliance level (V/m)
	385	380-390	TETRA 400	Pulse modulation 18 Hz	1.8	0.3	27	27
	450	430-470	GMRS 460 , FRS 460	FM ±5k Hz deviation 1 k Hz sine	2	0.3	28	28
	710	704-787	LTE Band 13, 17 GSM 800/900, TETRA 800, iDEN 820, CDMA 850 , LTE Band 5	Pulse modulation 217 Hz Pulse modulation 18 Hz	0.2	0.3	9	9
	745							
	780 810							
	870							
	930	800-960			2	0.3	28	28
	1720	1700-1990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; U MTS	Pulse modulation 217 Hz	2	0.3	28	28
	1845							
1970								

	2450	2400-2570	Bluetooth, WLAN, 802.11 b/g/n, RFI D 2450, LTE Band 7	Pulse modulation 217 Hz	2	0.3	28	28
	5240	5100-5800	WLAN, 802.11 a/n	Pulse modulation 217 Hz	0.2	0.3	9	9
	5500							
	5785							



Documents / Resources

	pylo 200-LTE Cellular Scale [pdf] User Manual 200-LTE Cellular Scale, 200-LTE, Cellular Scale, Scale
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References

- [User Manual](#)