

LIBER • T

MEDTECH

i-PRESSURE

AIR CUSHION SENSOR
OWNER'S MANUAL

THE PERFECT CUSHION COMPANION



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CONGRATULATIONS and THANK YOU!

Congratulations and thank you for purchasing the i-PRESSURE™ sensor. This product was designed and manufactured to fit your air cushion product.

The i-PRESSURE™ is a state of the art technology that will dynamically measure cushion internal pressure and report inflation level.

Before using this product for the first time, read and follow all instructions, warnings and notes found in this manual along with all other accompanying literature. Proper usage of this product depends on you and your provider, caregiver, and/or healthcare professional.

We trust that you will appreciate your new cushion sensor and that proper care and maintenance will provide you with many years of improved inflation.

1. CAUTION NOTICE

WARNING!

Before using this product for the first time, read and follow all instructions, warnings and notes found in this manual and all other accompanying literature. Proper usage of this product depends on you and your provider, caregiver, and/or healthcare professional.

This manual, as well as the manual that was provided with your cushion, will be your tools for the initial adjustment. We will help you understand how to safely install, operate and maintain the i-PRESSURE™ sensor. Failure to follow the instructions, warnings, and notes in this manual and those of your cushion owner's manual could result in personal injuries and/or product damages that will void the product warranty. In any case, using the i-PRESSURE™ does not guarantee that the user will not develop ulcers. Furthermore, the i-PRESSURE™ is not a substitute for a regular medical follow-up and it does not substitute protection and control measures.

With proper care and maintenance, this product will provide many years of trouble-free service. If you have any questions about this product or require additional assistance for setup or operation, please visit our web site at www.i-PRESSURE.com or contact us by email at info@i-PRESSURE.com.

Always keep this manual on hand for your and your caregiver's future reference.

To ensure safe operation of your i-PRESSURE™ sensor, you should perform daily instant pressure tests to validate pressure status, battery voltage and cushion integrity.

2. PARTS DESCRIPTION

- A.:** i-PRESSURE™ SENSOR: The i-PRESSURE™ is the electronic unit/sensor that measures the cushion bladder's internal air pressure.
- B.:** 90 DEGREES ADAPTOR: The adaptor is used to connect the sensor to the standard cushion valve.
- C.:** VALVE: A valve similar to the one found on the cushion is used to inflate and deflate the cushion bladder. This valve is compatible with your regular pump.
- D.:** OWNER'S MANUAL: An Owner's Manual is provided with the i-PRESSURE™. It contains installation and operation instructions, maintenance information and warranty.

A. i-PRESSURE™ SENSOR



B. 90 DEGREES ADAPTOR



C. VALVE



D. OWNER'S MANUAL



3. ASSEMBLY OF YOUR i-PRESSURE™ SENSOR

3.1 : Install BATTERIES (AA) as specified in section 8.1. When putting batteries in, follow +/- indications found inside the compartment. Ensure that the red EXTRACTOR cloth is positioned for an easy removal of the batteries, as shown in image below. Re-install the batteries and close the compartment.



Extractor



1st battery



2nd battery

3.2: OPEN the cushion inflator valve in full by turning counter-clockwise.



Open valve

3.3: OPEN adaptor valve by partially UNSCREWING nut set. CONNECT the sensor to the cushion by inserting the cushion valve into the 90° adaptor. Hold together and TIGHTEN nut set by turning clockwise. Make sure the adaptor is placed parallel to the cushion.



Loosen



Connect



Tighten

3.4: Adaptator Assembly

- Connect the adaptor parts in accordance with the order illustrated below.
- Make sure to properly connect all parts the right way by referring to the illustration below.
- Note that you can easily tell Part #4 apart from Part #5 by the fact that Part #4 is white.



- 3.5:** ATTACH unit to the chair's frame using strips found inside the package and using handles located on the side of the unit. Strip may be split in half for dual fixation points.



ONE VELCRO® strip



TWO VELCRO® strips

- 3.6:** The i-PRESSURE™ sensor should always be kept easily accessible to the user and the caregiver to facilitate audible and/or visual monitoring of the device. An access to open and close the inflator valve is necessary at all times. The device and/or tubing should not be left hanging, tangled, pinched, or become potentially harmful by its location.

⚠ WARNING! Do not use device as a handle to move your cushion.

⚠ WARNING! Make sure the tubes are not hanging down, tangled, pinched or twisted. Choose a safe location to place the device.

4. OPERATION AND SETUP

Now that you have completed the assembly of your i-PRESSURE™, you are ready to setup and operate your new sensor.

⚠ WARNING! The initial installation and calibration must be done by your healthcare professional.

4.1: Turning unit ON/OFF

Press/release target button to turn ON unit

- An initialization sound will be heard
- LEDs will flash one after the other

Press/release button (target) to turn OFF unit

- A closing sound will be heard
- LEDs will flash one after the other



NOTE: The device is AUTOMATICALLY TURNED ON when the user sits on its cushion.

4.2: INFLATE, POSITION user and ADJUST cushion according to the cushion manufacturer's recommendations. Use the cushion pump on the inflator valve found on the i-PRESSURE™.

NOTE: The cushion must be inflated AFTER the adaptor valve is installed on it.

4.3: RECORD your custom user/therapist setting

Once your cushion has been properly inflated and adjusted by your healthcare professional, it is time to record your custom cushion setting. Follow the 4 easy steps below to record your individual calibration.

Turn unit ON

Press and hold target button until 1 beep is heard, release button

Press and hold target button until 2 consecutive beeps are heard, release button

- LEDs will slowly flash sequentially: RED, GREEN, RED

To record pressure: press target button until a confirmation sound is heard

NOTE: The custom setting must be recorded while the user is properly positioned on its cushion.



WARNING! Unit will automatically exit calibration mode after 60 seconds. An error sound will be heard. This signals that the custom calibration was not recorded and remains unchanged.



WARNING! Make sure the individual recorded setting is appropriate.

4.4: SENSITIVITY user/therapist setting

The sensitivity setting allows the user/therapist to adjust the sensor sensitivity. Alarms (audible and/or visual) will be triggered by the SENSITIVITY setting. For example, the HIGH sensitivity alarm will be triggered with just a small pressure change.

NOTE: Sensitivity is set to “medium” by default. Sensitivity must be adjusted by a qualified healthcare professional.

Turn ON unit

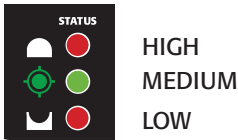
Press and hold target button until 1 beep is heard, release button

Press and hold target button until 3 consecutive beeps are heard, release button

- LEDs will indicate sensitivity level (see image below)

To scroll sensitivity levels: press/release button

- LEDs will scroll between sensitivity levels (see image below)



To confirm sensitivity level: press and hold target button until the confirmation sound is heard.



WARNING!

Unit will automatically exit sensitivity mode after 60 seconds. An error sound will be heard. This signals that the sensitivity level was not recorded and remains unchanged.



WARNING!

A too low sensitivity level could allow important variations that could induce effects on the user's health.

5. ALARMS

Once section 4 steps are done, your i-PRESSURE™ is operational.

5.1 : If the red OVER inflation LED is blinking:

Slowly DEFLATE cushion until only the green LED is blinking.

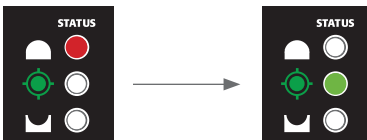


5.2 : If the red UNDER inflation LED is blinking and stable:

Using the pump on the i-PRESSURE™ valve, inflate cushion until the over inflated LED is blinking. Close valve.



DEFLATE cushion slowly until the green LED is blinking.



5.3 : In the event of the adaptor disconnection or a cushion puncture, alarms (audible and visual) will sound and be seen after a variable delay and will remain active until cushion pressure is reinstated.

6. SPECIAL WARNINGS

- The i-PRESSURE™ will not work properly on 4-section type cushions equipped with air locking devices.
- Multi-chamber cushions require a sensor on EACH VALVE.
- A therapist must check cushion inflation and calibrate device to ensure that the cushion's settings fit your needs.
- Check i-PRESSURE™ LEDs daily to ensure that the inflation status is always appropriate.
- The unit should never be put to extreme temperatures.

7. TURNING SOUND OFF

On/off and over/under inflation alarm sounds can be turned off.

7.1: ALARM ON (switch to the left)

When a LOW or HIGH pressure alarm occurs, visual and audible alarms will warn you.

7.2: ALARM OFF (switch to the right)

When the pressure is considerably LOW because there is a leak in the cushion or the unit has been disconnected, visual and audible alarms will warn you.

- Open battery compartment
- Remove batteries
- Using a small tool, MOVE switch to the right to silence alarms
- Replace batteries
- CLOSE battery compartment



Move switch to the right.

NOTE: Sounds related to device settings (custom pressure & sensitivity), extreme event alarms (disconnection & cushion puncture) and low battery alarms will remain audible even if the alarm sound is turned off.


8. MAINTENANCE


8.1: BATTERY replacement:

The i-PRESSURE™ sensor has a low battery monitoring circuit which will cause the alarm to “chirp” approximately every 15 minutes for a minimum of 2-3 days when the battery gets low. This sound will be heard even when the SOUND switch is turned OFF. Replace batteries when this alarm sounds. It is important to always use the specific battery type listed below, to use batteries that are in good condition and to install them properly. Note that parameters previously set remain valid after a battery change.

USE ONLY THE FOLLOWING AA TYPE BATTERIES AS REPLACEMENTS IN THE I-PRESSURE™:

- Lithium 1.5V - (L) R6
- Alkaline 1.5V - (L) R6

 **WARNING!** Verify battery status daily. Make sure the i-PRESSURE™ is turned on when verifying battery status.

 **WARNING!** Use only the specific battery types listed above. The use of different battery types may have a detrimental effect on the cushion sensor.

8.2: CLEANING your i-PRESSURE™:

- Before cleaning, always switch the device off.
- Do not use solvents, detergents or abrasive products to clean your sensor, a soft damp cloth is sufficient.
- Only the outside of the device can be wiped.

 • Do not wash or submerge – remember that it is an electronic appliance!

WARNING! Always take the sensor off before washing your cushion.

9. SERVICE AND WARRANTY

If after reviewing this manual you feel that your sensor is defective in any way, do not tamper with the unit. Return it for servicing (see warranty for in-warranty returns below).

RETURNS

All returns require prior authorization from Liber-T Medtech Inc. and are subject to a restocking charge.

WARRANTIES

The i-PRESSURE™ carries a limited warranty that under normal use and maintenance, it will be free from any defects in material and workmanship for one (1) year from the date of purchase. This limited warranty extends only to the original consumer who purchased the new i-PRESSURE™ from an authorized i-PRESSURE™ dealer.

Dated proof of purchase is required. For your convenience, keep the dealer's dated bill of sale or delivery tickets as evidence of the purchase date.

Subject to the exclusions and limitations, Liber-T-Medtech inc. (LTM) will repair or replace, at its option, that component of the i-PRESSURE™ found to be defective as to workmanship or material during the limited warranty period. The obligation of LTM under this limited warranty is, upon acknowledgement by LTM that such defects are attributable to faulty material or workmanship at the time of manufacture, to repair or replace such defect with new or remanufactured parts or with LTM-approved equivalent free of charge to the customer, except for postage, return postage and custom fees.

If the i-PRESSURE™ or any component is repaired or replaced under this limited warranty, the repair or replacement is covered only for the remainder of the original limited warranty period dating from the purchase of the original i-PRESSURE™.

The limited warranty set forth in this owner's manual is the only and entire written warranty given by LTM with respect to the i-PRESSURE™ and there are no other warranties, expressed or implied, including any warranty of fitness for a particular purpose.

For more warranty information, please contact LTM at:

Liber-T Medtech Inc.

2855 De Celles, suite 300, Québec QC G2C 1K7

E-mail: info@i-PRESSURE.com

Phone: 1-418-842-2412

EXCLUSIONS AND LIMITATIONS

This limited warranty is valid on condition of normal use and maintenance and is subject to the following exclusions and limitations. It does not cover the following elements:

- A. Deterioration due to normal wear or exposure;
- B. Repair or replacement when damage is due to fluid;
- C. The repair or replacement of the equipment due to an improper use, accident, inadequate installation or use, a faulty maintenance by the client or any other person or due to any modification or failure caused by a product that is not under LTM's responsibility;
- D. Equipment on which the serial number has been deleted or made illegible;
- E. All plastic or rubber parts and other exposed parts that are scratched or damaged by a normal use;
- F. Operating flaws due to use, maintenance, installation, adjustment or inappropriate product repair, including any normal variation in the pressure setting, the duration of the batteries, the tolerances of the batteries, micro-processor or micro-chip, or the loss of the equipment due to improper attachment or installation;
- G. Installation, maintenance and service related to the product. The limited warranty does not cover batteries;
- H. Any warranty repair not diagnosed and/or performed by LTM.

The limited warranty is also subject to the following:

- 1. No dealer or his agent or employee is authorized or empowered to extend or enlarge upon these warranties on behalf of LTM by any written or oral statement or advertisement
- 2. To the extent the law permits, LTM disclaims any responsibility for losses, damages, or injuries resulting from the use of or inability to use the i-PRESSURE™ and LTM disclaims any responsibility for any other indirect, incidental or consequential damages, inconveniences or commercial loss, including for losses or damages caused to the air cushion or other equipment of the customer and resulting from an improper use or inadequate installation of the i-PRESSURE™.
- 3. LTM reserves the right at any time to make changes in design or specification of the i-Pressure or any part, without notice and without incurring obligation to make or install similar changes on equipment and/or parts previously purchased.
- 4. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

10. CONTACT INFORMATION

LIBER-T Medtech inc.

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