



## THE WHEELCHAIR PRESSURE REDISTRIBUTION SOLUTION

# SUMED<sup>®</sup>

EXCLUSIVE DISTRIBUTOR FOR UK & IRELAND



A better fit to better lives.



One of the biggest factors affecting the continued health of wheelchair users is the safety of their wheelchair seating design. If elevated body surface pressures are not relieved, wheelchair patients are susceptible to tissue damage that can lead to the development of pressure ulcers.

Once a decubitus (pressure) ulcer has developed, wheelchair users can face painful treatments, months of bed rest, hospitalisation, and in the worst cases, sepsis. An effective pressure redistribution strategy is key to the prevention of pressure ulcers and now, identifying those high pressure points that can indicate the risk of pressure ulcers is easier than ever. XSENSOR, the company that developed the X3 Wheelchair Seating System is proud to introduce X4, the next generation of wheelchair pressure mapping technology.

**ForeSite SS** is a powerful, and easy-to-use system for the measurement of body surface pressures that are a key factor in the development of pressure ulcers. Designed for seating professionals, ForeSite allows therapists to record and analyse interface pressure data—providing the information they need to develop an effective pressure relief strategy. In addition, patients can use the visual feedback provided by ForeSite to learn ways that they can relieve these pressures. Delivered with the LX100—a durable, cleanable, factory- calibrated sensor—ForeSite SS provides the accuracy and resolution required by rehabilitation specialists.



The LX100 Sensor




The LX100 is the latest and most advanced pressure imaging sensor available for wheelchair assessment. With it’s combination of accuracy, calibration stability, conformability, image quality, and durability, you can rely on ForeSite SS to provide solid returns on your investment. Our sensors have 5+ years calibration stability so you can rely on accurate pressure measurements for extended periods of use.

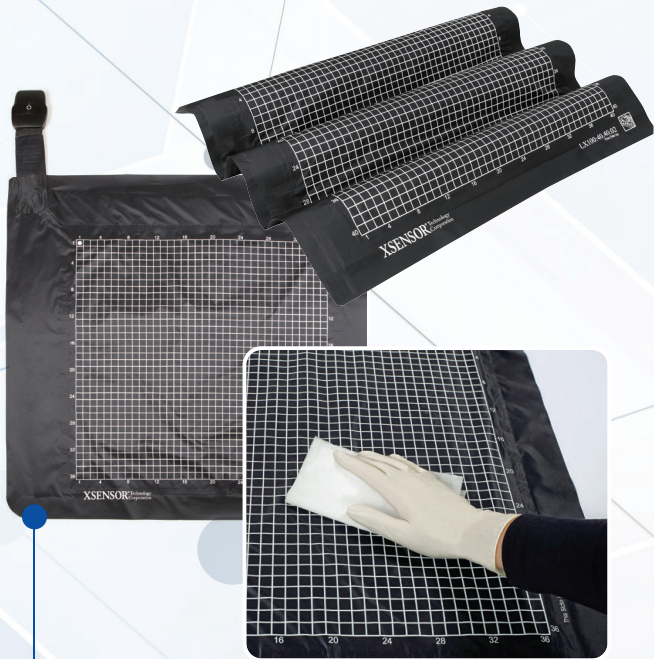
The LX100 is very thin, flexible and light. The pad conforms easily to the chair’s seat and back, giving you an accurate view of the pressure distribution on the seat.



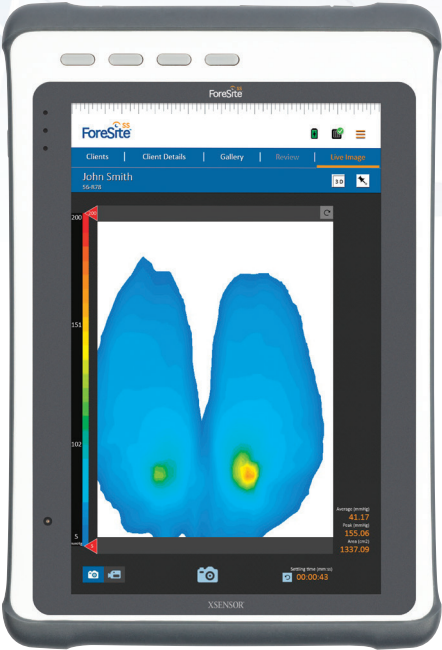
Our Platform  
Intelligent Dynamic Sensing

The platform behind our products, Intelligent Dynalic Sensing (IDS) enables precise measurements and features highly detailed visualisations and smart data with AI-powered analysis – resulting in optimised performance, comfort and safety.

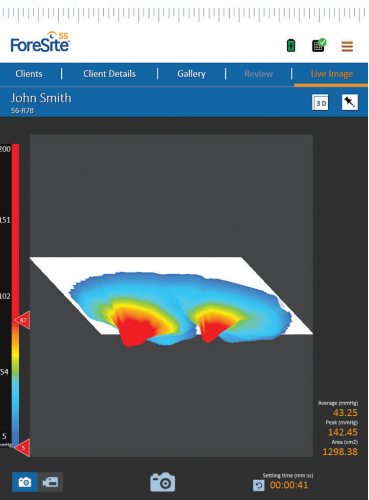
-  Maximum performance sensing.
-  Real-time data measurement and highest quality visualisations.
-  AI-powered data analysis and optimisation.



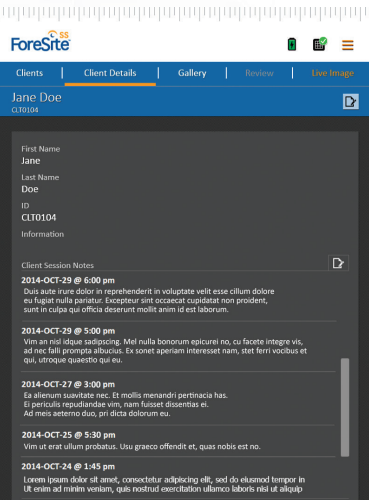
LX100 sensors offer superior image quality and are cleanable, eliminating the need for disposable sleeves. They are extremely durable, yet light and flexible for better conformability.



Foresite SS software is installed before the tablet is in your hands, meaning you can be up and running within minutes.



View ForeSite SS images in 2D or 3D



Notes can be added and attached to each session for a more complete record.

KEY BENEFITS

IMPROVE PATIENT SAFETY

- Quickly identify areas of elevated pressure in wheelchair seating to visualise positioning adjustments and prevent pressure injuries from occurring.

EASILY ASSESS WHEELCHAIR USERS

- Flexible sensor design conforms easily to any wheelchair seat and the cleanable construction eliminates the need for disposable covers.
- Include an optional back sensor in your assessment to provide a more complete image of the client’s pressure distribution and peak pressure points.

EFFICIENT DATA COLLECTION

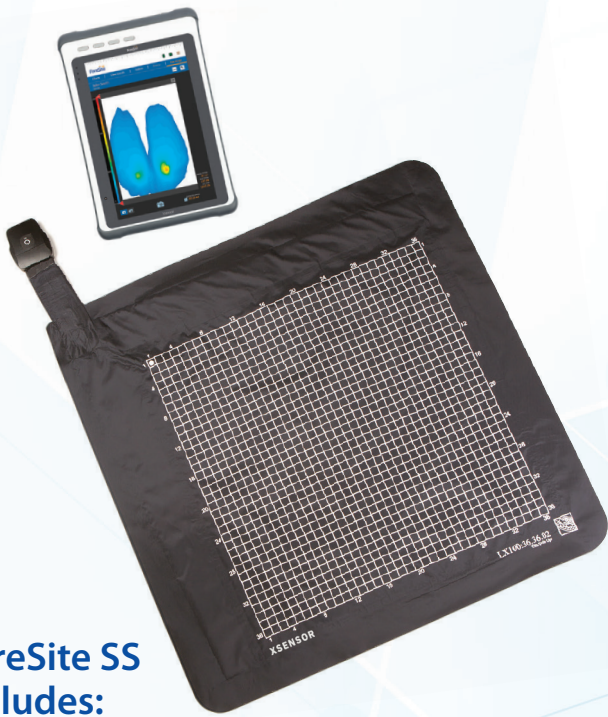
- Get accurate easy to read visual results and statistics in minutes. The medically certified tablet is pre-installed with purpose-built clinical seating software. Reliable accurate sensors do not require recalibration.
- Analyse wheelchair seating using advanced tools like anatomical markers, symmetry and 3D views. Save images or videos of pressure data, then share them via email.
- Wireless communication (Bluetooth) between sensor and handheld tablet makes patient assessments hassle-free.
- Adhere to patient data privacy policies with HIPAA client data encryption.

The ForeSite SS System

- **Flexible sensor pad** embedded with over a thousand sensor cells that continuously measure the patient’s body surface pressures.
- **Touchscreen tablet** that displays real-time images of elevated pressures.
- **ForeSite SS software** that clearly shows the various pressures applied to the sensor pad, highlighting higher or lower values in the pressure distribution.

With ForeSite SS, clinicians can set up a file for each client, store stills or videos of pressure images, then share them via email. Advanced data security keeps your client’s information safe. The system’s user-friendly software requires minimal training and provides simple, visual results.





## ForeSite SS includes:

- Choice of Available Sensors
- Sensor Pack. Can be used either wired or wireless
- ForeSite SS Desktop Software on Supplied USB
- Optional Touchscreen Tablet
- An optional back sensor can provide a more complete image of the client's pressure distribution and peak pressure points.

All ForeSite SS packages come with a power supply and a soft carry case.

Available seat sensors for the ForeSite SS packages: LX100:28.28.02, LX100:36.36.02, LX100:40.40.02, LX100:48.48.02, LX100:40.64.02.

Available mattress sensor: PX100:26.64.01 – NB this has a spatial resolution of 1.25" (31.75mm).

Available with one or two sensors.

## About ForeSite

XSENSOR's ForeSite pressure imaging systems allow caregivers and patients to see what could never be seen before — the persistent body surface pressures that are a key factor in the onset of decubitus ulcers. Visual, easy-to-understand pressure images generated by ForeSite identify areas that are experiencing elevated pressures, giving clinicians and patients the information they need to make body position adjustments before pressure ulcer development occurs.

**For more details or to place an order, please contact XSENSOR's exclusive distributor for the UK and Ireland:**

# SUMED®

**Tel: 01457 890980 [www.sumedinternational.com](http://www.sumedinternational.com) [sales@sumed.co.uk](mailto:sales@sumed.co.uk)**

**Sumed International (UK) Ltd. Integrity House, Units 1 -2 Graphite Way, Hadfield, Glossop, Derbyshire SK13 1QH**

# XSENSOR

[www.xsensor.com](http://www.xsensor.com)

**Intelligent  
Dynamic  
Sensing**

XSENSOR Technology Corporation  
133 12 Avenue SE  
Calgary, Alberta T2G 0Z9, Canada  
North America: 403-266-6612  
1-866-927-5222  
Email: [sales@xsensor.com](mailto:sales@xsensor.com)



XSENSOR Technology Corporation is an A2LA accredited calibration laboratory. We are accredited to ISO/IEC 17025 for the specific calibrations listed on A2LA Certificate Number 3589.01.

XSENSOR and ForeSite are Trademarks of XSENSOR Technology Corporation. Sumed is a regulated Trademark of Sumed International (UK) Ltd.

© Sumed July 2022

## SPECIFICATIONS



### Preferred Sensor Offering

LX100:	36.36.02
Total Area:	26" x 26" (66cm x 66cm)
Sensing Area:	18" x 18" (45.7cm x 45.7cm)
Spatial Resolution:	0.5" (12.7mm)
Pressure Range:	0.07-2.7 N/cm <sup>2</sup> (0.1-3.87 psi, 5-200mmHg)
Calibration:	ISO/IEC 17025 Accredited
Accuracy:	± 5% full scale
Sampling Frame Rate:	5 frames/s
Ingress Protection:	IP55 dust protected, water jets
Cleanability:	TIR30

### Foresite SS Tablet

Display:	10.1" display
Resolution:	1200 x 800 pixels
Touchscreen:	2-point projected capacitive touch (PCT)
Dimensions:	(LxWxH) 291x198x23mm
Weight:	1.2 kg
Drop:	1.2 m
Ingress Protection:	IP65
Power Input:	12 VDC
Power Consumption:	Battery: 7.4V/6300 mAh Li-ion

### System

Electrical/Mechanical Safety: IEC/EN 60601-1:3rd Ed.

Electromagnetic Compatibility: IEC/EN 60601-1-2:3rd Ed.