



IN THE BATTLE TO PREVENT PRESSURE ULCERS,
see what you've been missing.

The growing problem of pressure ulcers

Despite increased awareness and ongoing prevention efforts, decubitus ulcers in clinical settings remain a common problem¹. Medicare no longer covers the cost of hospital-acquired ulcers, so it's more important than ever to institute a diligent, and effective pressure ulcer prevention strategy.

One factor in an appropriate strategy for the prevention of pressure ulcers² is a knowledge-based patient turn regimen that effectively relieves the localized pressure before the skin's integrity is breached, and the wound begins to form. But without the ability to see where those pressures exist, there is no way to know for sure how best to adjust the patient's position, or whether the patient move has relieved the elevated pressure and allowed the tissue to re-oxygenate.

The ForeSite PT

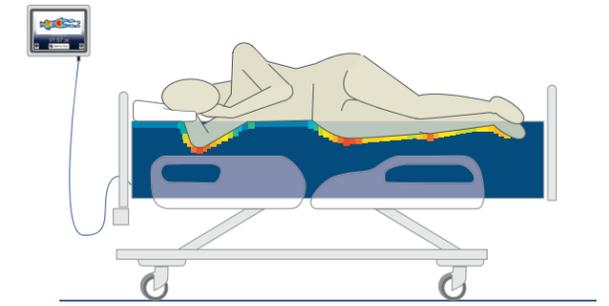
patient turn system allows caregivers to continually monitor persistent body pressures that are a primary cause of decubitus ulcers, and provides the information they need to execute an effective patient turn strategy.

Benefits:

- Provides information staff needs to make informed patient care decisions
- May reduce extended hospital stays caused by pressure ulcers
- Helps to assure compliance with turn guidelines
- Continuous pressure monitoring can increase patient confidence in quality of care
- Aids in the continuity of care among caregivers
- Easy to use, minimal training required
- No additional documentation or reporting requirements

How it works:

The ForeSite PT system consists of a fitted mattress cover embedded with thousands of sensor cells that continuously measure the patient's body surface pressures, and a touch screen monitor that displays real-time images of elevated pressures. ForeSite PT's software displays pressure markers that clearly identify areas of the body that have been under sustained pressure. The patient turn clock tracks the time since the last repositioning, visually notifying the clinician that it's time to adjust the patient's body position.



1. Lyder, C. Pressure Ulcer Prevention and Management, JAMA [serial online] 2003; 289(2):223-226

2. Reddy, M, Gill S, Rochon, P. Preventing Pressure Ulcers: A Systematic Review, JAMA [serial online] 2006; 296(8):974-984

SPECIFICATIONS

SENSOR

Sensor Array: 52 x 118
Sensing Area: 30" x 74"
Sensor Resolution: 0.625"
Pressure Range: 5 mmHg to 200 mmHg
Pressure Resolution: 1 mmHg
Accuracy: +/-2 mmHg
Hysteresis Error: 8%
Sampling Rate: 1 frame per second

DISPLAY TERMINAL

Processor: Intel Atom, 1.6 GHz
RAM: 2 Gbyte
Storage Disk: 16 Gbyte
Display: 11.6" LCD
Resolution: 1024 x 600
Touch Screen: analog resistive
Operating System: Windows 7
Dimensions: 10.16" x 7.83" x 1.51"
Weight: 2.6 lbs
Operating Temperature: 32° to 104°F
Relative Humidity: 10 – 95% @104°F non-condensing
Front Panel Protection: IP65/NEMA 4 compliant
Input Power: 100 to 250VAC, 47 to 63Hz
Power Consumption: 40W

SENSOR ELECTRONICS

Dimensions: 2.7" x 7" x 0.9"
Weight: 0.5 lbs
Input Power: USB, 5V +/-10%
Power Consumption: 2W
Operating Temperature: 50° to 104°F
Relative Humidity: 10 – 80% @88°F decreasing linearly to 50% at 104°F

SYSTEM

Risk Management: EN ISO 14971
Electrical/Mechanical Safety: IEC/EN 60601-1
Electromagnetic Compatibility: IEC/EN 60601-1-2
Biocompatibility: ISO 10993-1

About ForeSite

XSENSOR's ForeSite pressure ulcer prevention products 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.

About XSENSOR

XSENSOR Technology Corporation is an innovator in the field of pressure imaging for use in automotive testing, sleep and pressure ulcer prevention. For over 10 years, XSENSOR has been developing pressure image technology that delivers practical, real-world benefits of personal comfort and patient safety. Learn more about XSENSOR at www.xsensor.com.

XSENSOR® Technology Corporation

XSENSOR Technology Corporation
111-319 2 Avenue SW
Calgary, Alberta T2P0C5
Canada
www.xsensor.com

North America
403-266-6612
Toll-Free: 866-927-5222

International Toll-Free
(Your Country Code)-800-5913-4444
Example: United Kingdom +44-800-5913-4444

T: +49 8022 271 667
E: info@interfaceforce.de
www.xsensor.de

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