

Centroid™

Patient Orientation and Activity Sensor



Helping Clinicians Monitor Patient Position to Avoid Preventable Pressure Ulcers

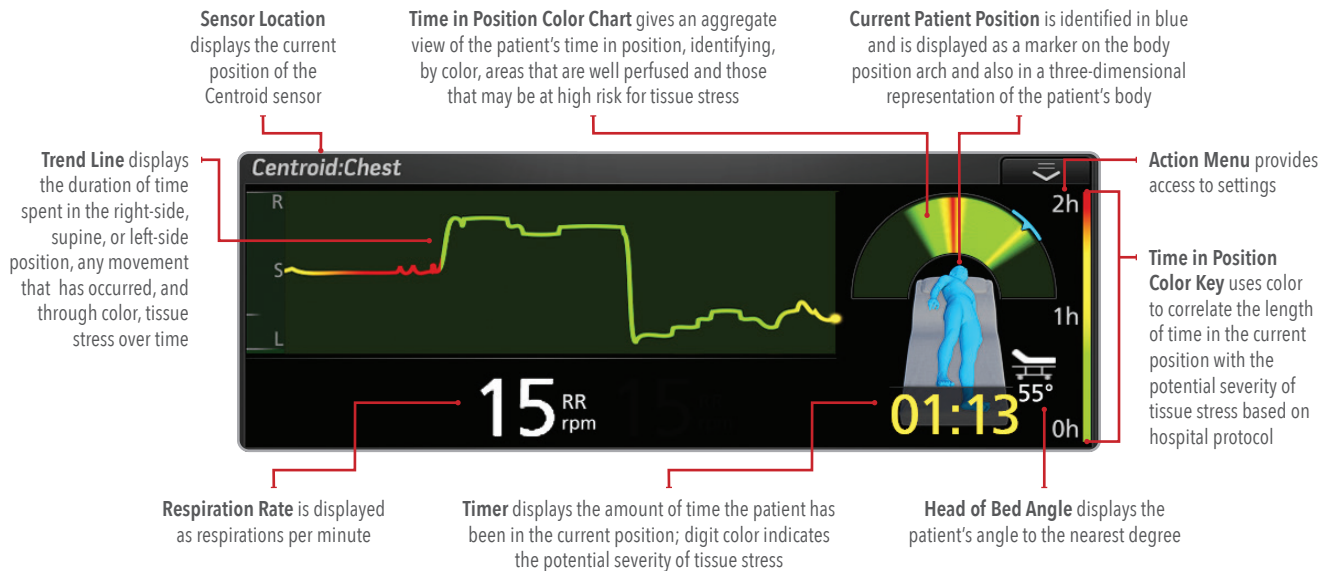
- > Centroid is a wearable, wireless sensor that pairs via Bluetooth® with Root® to track a patient's posture, orientation, and activity
- > Centroid provides the ability to detect changes in patient position and can alert clinicians of sudden movements such as fall-like events
- > Centroid provides continuous respiratory rate (RR), providing clinicians with more data to better inform care
- > Centroid is indicated for the orientation monitoring of patients who may be susceptible to pressure ulcers



Assessing the Risk of Tissue Stress

Pressure sores affect nearly 2.5 million patients per year and approximately 60,000 of those patients die as a direct result.¹ Centroid is designed to monitor patient movement and activity. The data transmitted by Centroid can be displayed in various formats on Root, giving clinicians multiple ways to quickly assess adherence to protocols regarding tissue stress and to tailor care to the specific needs of each patient.

- > Centroid identifies whether a patient is lying down, standing, sitting upright, walking, or has fallen
- > Alerts based on duration of static patient position can help clinicians adhere to hospital patient movement protocols
- > Color-coded markers (low risk, moderate risk, and high risk) help identify the amount of time a patient has spent on each part of their body
- > Centroid automatically takes into account patient self-turns.
- > Customizable alarm zones may help avoid patient positions that could negatively impact recovery time
- > Notification of a sudden change in position may provide early warning of potential falls



Designed with the Patient in Mind

- > Ergonomically designed with flexible, lightweight material for patient comfort
- > Adhesive attachment supports continuous use during daily activities
- > Made without natural rubber latex



Centroid Specifications

Ordering Information

Part number 4302

Accuracy (ARMS)²

RR range 8-35 rpm

RR accuracy 3 rpm³

Sensor Information

Application Site Back or Chest

Sensor Life 4 days

Environmental

Storage/Transport Temperature -20°C – 50°C

Operating Temperature 10°C – 40°C

Storage/Transport Humidity 15%RH – 90%RH (non-condensing)

Operating Humidity 15%RH – 95%RH (non-condensing)

¹Are we ready for this change? Content last reviewed October 2014. Agency for Healthcare Research and Quality, Rockville, MD. <http://www.ahrq.gov/professionals/systems/hospital/pressureulcercertoolkit/putool1.html> ²ARMS accuracy is a statistical calculation of the difference between device measurements and reference measurements. Approximately two-thirds of the device measurements fell within \pm ARMS of the reference measurements in a controlled study. ³Respiration rate performance has been validated against manual scored capnogram respiratory measurements on 40 healthy volunteer subjects and 34 hospitalized adults. The clinical testing results may not be generalized to all patient conditions.

The Centroid sensor has obtained 510k clearance. Not available for sale outside the US.

The Centroid sensor is not licensed for sale in Canada.

Caution: Federal (USA) law restricts this device to sale by or on the order of a physician. See instructions for use for full prescribing information, including indications, contraindications, warnings, and precautions.

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