

Product Data Sheet

Enuresis Sensors



What is it?

The enuresis sensor detects involuntary urination or incontinence and raises an alert if moisture is detected. It reduces the need for intrusive and undignified checks by carers and can enable appropriate support to be provided quickly, reducing discomfort to individuals.

Who is it for?

Enuresis sensors can be used in individual homes or within assisted living environments to support independent living.

Enuresis affects approximately 15% of people over 65; in many cases a carer will undertake regular checks throughout the night, which can be labour intensive for paid carers and means broken sleep for informal carers. Individuals receiving care may also find these checks intrusive and undignified, so the sensors can provide peace of mind for older people or individuals who are immobile or have physical limitations.

How does it work?

An enuresis sensor provides a discreet and efficient means to detect instances of moisture in the bed the moment they occur, ensuring carers can respond quickly if they are needed, but otherwise do not disturb the user's sleep.

The sensors are portable and simple to use, designed to support carers and protect users. An enuresis sensor will automatically raise an alert with a carer if it detects moisture, enabling appropriate care be provided quickly, without the need for manual checks.

Once a sensor detects moisture it will send a signal to a small interface module, positioned under a bed which sends a wireless communication to a Lifeline home unit or Telecare Overlay system to enable care to be delivered quickly.

Features

- **Plug and play** – simple installation and registration with Lifeline home unit and Telecare Overlay to allow rapid deployment
- **Durable sensor mats** – can be re-used for cost effective and hygienic implementation
- **Wireless communication** – raises alerts without the need for unsightly wires
- **Reliable operation** – using the 869MHz European Social Alarm Frequency

Benefits

- **Reduces intrusion and protects dignity** – by removing the need for manual overnight checks
- **Improves health and hygiene** – by reducing complications associated with prolonged exposure to urine such as skin damage, macerations, dermatitis and infection
- **Improves carer response** – to react to an alarm call

Two types of enuresis sensors are available:

Cotton enuresis sensor

Machine washable cotton sheets, placed under the bedsheet. They can be washed up to 50 times at normal temperatures, once the connecting cables are removed.

Absorbent enuresis sensor

An 'intelligent' absorbent sheet with a breathable, waterproof backing, supports people with mild nocturnal incontinence. The sheet is machine washable up to 50 times at 60°C and line-dried, or up to 30 times at 85°C and tumble dried.

Detection (both sensors)

A small amount of fluid can be absorbed without disturbing the individual, while a major episode will trigger an alarm.

Detection amount: 4ml between sensor wires.
Central 400ml after 5 minutes.

Manufacturer's Specification

Cotton enuresis sensor

Technical

Dimensions (L x W x D): 1600 mm x 600 mm x 4 mm
with 780 mm x 600 mm sensing area

Weight: 250g

Part Numbers

S9001003: Cotton mat

S9001006: Replacement enuresis sensor universal sensor lead

Absorbent enuresis sensor

Technical

Dimensions (L x W x D): 1700 mm x 700 mm x 4 mm
with 900 mm x 700 mm sensing area

Weight: 450g

Capacity: 1.6l

Part Numbers

S9001004: Cotton mat

S9001006: Replacement enuresis sensor universal sensor lead

Universal sensor

(Required for cotton and absorbent enuresis sensors)

Technical

Dimensions (L x W x D): 74 mm x 50 mm x 25 mm

Weight: 70g

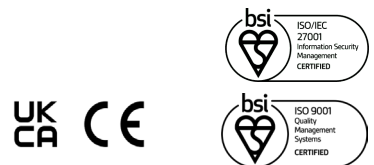
Radio frequency: European 869 MHz social alarm frequency

Battery life: Up to 5 years

Battery disposal: In accordance with current legislation

Part Number

61005/30: Universal sensor



ABOUT TUNSTALL HEALTHCARE

Tunstall has been at the forefront of technology innovation for the health, housing and social care markets for over 65 years. Its pioneering software, hardware and services enable providers to deliver integrated, efficient and person-centred care in the community, and empower people to live independently and with an improved quality of life.

Tunstall works with social care providers, healthcare services, housing and retirement living providers and charities in 18 countries, improving the lives of more than five million people, including those living with dementia, learning disabilities, physical disabilities and long-term health conditions.

As technology advances and solutions become increasingly digital and cloud-based, we will work closely with our customers and partners to enable them not just react to events, but to predict and even prevent them, using data-driven insights. Our focus is on creating a more connected world that fulfils the potential of technology to offer intelligent care and support, and give people greater choice and control about how they live their lives.

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