Enuresis Sensor

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.

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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

Three types of enuresis sensors are available:

Wipe clean enuresis sensor
A thin, waterproof and durable plastic sensor mat, which is positioned between the mattress and top sheet of a bed. It can be quickly wiped clean and replaced into a bed.

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. A small amount of fluid (300ml) can be absorbed without disturbing the individual, while a major episode (500ml) will trigger an alarm. 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.

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Specification

1. Enuresis Sensor Kit (including control unit and mat sensor)

Wipe clean enuresis mat:

Dimensions:
540 x 20 x 1mm (L x W x D)

Weight:
800g

Control unit:

Dimensions: 160 x 95 x 35mm (L x W x D)

Radio frequency:
European 869 MHz social alarm frequency

Radio range:
Up to 50 metres (typical)

Power:
Supplied with 4 x AA batteries

Battery life:
Up to 2 years

Battery disposal:
Disposal in accordance with current legislation

Environment:
Operating temp range: -10°C to +55°C

Environmental humidity:
95% maximum

Part numbers

Enuresis Sensor Kit (including Control Unit and Sensor):	41005/21
Replacement Enuresis Sensor:	S2209050

2. Cotton enuresis sensor

Dimensions:
160 x 60 x 1mm (L x W x D)
with 60 x 90mm sensing area

Weight:
250g

Part numbers

Cotton mat:	S9001003
Replacement Enuresis Sensor Universal sensor lead:	S9001006

3. Absorbent enuresis sensor

Dimensions:
60 x 90 x 1mm (L x W x D)

Weight:
450g

Capacity:
1.6l

Part numbers

Cotton mat:	S9001004
Replacement enuresis sensor universal sensor lead:	S9001006

4. Universal sensor (required for cotton and absorbent enuresis sensors)

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

Weight:
70g

Radio frequency:
European 869 MHz social alarm frequency

Battery life:
Up to 5 years

Battery disposal:
In accordance with current legislation

Part numbers

Universal sensor:	61005/30

Standards

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

Weight:
70g

Radio frequency:
European 869 MHz social alarm frequency

Battery life:
Up to 5 years

Battery disposal:
In accordance with current legislation

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Why Tunstall?

We focus on using the latest digital and mobile technology to enable people to feel safe, secure and independent, giving them the freedom to live the life they choose. Our products combine secure digital connectivity and mobile platforms.

We help you provide…

- **Intelligent, unobtrusive, person-centred care.**
- **Personalised, proactive and predictive services to improve quality of life.**
- **Integrated health, housing and social care.**

For more information please visit:
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