

Wireless Monitoring for LN2 Dewars

Monitor & alarm on temperature

- No drilling of the cork
- Sensor remains in dewar
- Fits all makes & models
- PT100 sensor for accuracy
- 5 year battery
- Dewar capacity unchanged
- Can be installed with samples inside



Ensuring that your samples are kept at the right temperature within your dewars has always been important; and the introduction of new legislation, eg the Human Tissue Act and the EU Tissue Directive make it doubly so.

Planer offer a very reliable, simple to use solution designed especially for Liquid Nitrogen dewars.

It is available as a wireless temperature sensor which is installed within the dewar to sit in between any two of the canisters.

The sensor is attached to a stainless steel band which is formed in the shape of the canister and is mounted inbetween two of the canisters; this avoids having to use a canister to mount the sensor or the drilling of the cork.

The sensor is available in a wide range of sizes; it is a Pt100 platinum sensor, accurate to 0.3°C. Pt100's are more accurate than other types and do not 'drift' (require calibration) so they stay 'accurate for longer'.

The minimum that is needed is one sensor and one transmitter per dewar - plus a DATAcentre or a MIDcentre to connect to!

The DATAcentre and MIDcentre come with an LCD screen, visual and audible alarm and can connect to an autodialler. Remote access is also available in these systems.

Each sensor comes with a transmitter which wirelessly connects to the main base unit (DATAcentre or MIDcentre). The DATAcentre can take up to 120 sensors (wired or wireless) and the MIDcentre can take up to 20 sensors (wireless only).

Both the DATAcentre and MIDcentre have a large transmission range with optional repeater modules available, so even when you wheel your dewar away you can be confident it can remain within wireless range of the receiver.

The system can optionally be set to alarm if there is a wireless signal communication failure. Delays can also be added to avoid 'false' or unnecessary alarms.

Installation is very simple and is usually done in-situ while the dewar is in use - without affecting the integrity of the samples. It can take around 30 minutes to fit a sensor. The wireless transmitter has an integral magnet and is stuck onto the side of the dewar away from the handles - to avoid any interference.

It is possible to check the battery level of the transmitter at the base station on the DATAcentre or through a network connection on the MIDcentre.

Although batteries last up to 5 years, it is recommended that all batteries are changed every 3-4 years. These are inexpensive and can be changed on site.

Part numbers to order:

DATAcentre models:

Sensor for dewars:
GDTP10-06-FTE

Transmitter for sensor
(DATAcentre model):
FTEM02WS115/NS-P

DATAcentre:
GDFTEM02LCMU102-P

MIDcentre models:

Sensor for dewars:
GDTP10-06-FTE

Transmitter for sensor
(MIDcentre model):
FTEM24MS115/NS-P

MIDcentre:
GDFTEM02MIDI102-P