The PyroNet GSM telemetry module transmits readings from up to 4 devices with analogue output, such as the PyroCouple and PyroMini infrared temperature sensors.

Measurements are taken at regular intervals and transmitted to the internet via the GSM cellular phone network, using the PyroNet GSM’s built-in SIM card.

Our hosted web interface, PyroNet GSMView, allows you to access and analyse data anywhere in the world via the internet.

A choice of battery-powered, solar-powered or 6-24 V DC-powered versions is available for indoor or outdoor use - contact Calex for advice.

Optional relay outputs rated 30 V DC, 2 A are available for connection directly to alarm hardware.

PyroNet GSMView is a web-based interface for data acquisition and analysis. Your data is hosted securely on the PyroNet GSMView servers and access is included as standard in your monthly subscription.

You can export measurement data to be used in a spreadsheet, and configure the system to send email or SMS alarms, for temperature alerts or loss of communication (for example, due to power failure).
**GENERAL SPECIFICATIONS**

**Inputs**
- 4 x analogue inputs, selectable 0-20 mA, 4-20 mA, 0-5 V, 0-10 V or digital ON/OFF
- Optional plug-in board with 5 x digital or pulse inputs - contact Calex.
  - Compatible with PyroCouple, PyroMini, PyroUSB, or any other sensor with analogue voltage or current output
  - Input resolution
  - 10 bit (1024 increments) over 10 volts
  - Accuracy
  - 0.25%
  - Sample rate
  - Configurable depending on data subscription (typically 1 transmission per 10 minutes, or 1 transmission per hour)

**Outputs**
- R models: 2 relay outputs rated 30 V DC, 2 A
- Display
  - 40 x 40 mm, 128 x 128 pixel resolution, backlit
- Programming interface
- USB port for configuration and firmware updates
- Firmware updates
- Via USB or GSM network
- Warranty
  - 2 years

**ELECTRICAL**

**Input connector**
- Removable screw terminals, pitch 3.81 mm. 4 x 3-pin connectors for sensors, 1 x 2-pin connector for power

**Power supply**
- 3.9 V battery (-B models) or 6-24 V DC, 0.5 A (-DC models)

**Output power to sensors**
- 3.9 V (unregulated), 5 V or 21.6 V

**Output current to sensors**
- 31.25 mA max.

**ENVIRONMENTAL**

**Environmental rating**
- IP67

**Dimensions**
- 138 x 76 x 68 mm (excluding cable glands)

**TELECOMMUNICATIONS**

**Approvals & Conformity**
- Conforms with R&TTE Directive; GE, GCF, FCC, PTCRB, IC, ANATEL approved

**Modem type**
- Quad-band GSM & GPRS 850/900/1800/1900 Mhz

**Output power**
- Class 4 (2 W) 850/900 MHz
- Class 1 (1 W) 1800/1900 MHz

**Antenna**
- Internal antenna built in as standard. Optional external antenna via SMA connector

**OPTIONS AND ACCESSORIES**

**PGANT**
- External antenna with connection kit

**PGBAT**
- Battery, 3.9 V, 16 Ah, non-rechargeable, with built-in secondary cell. For PGSM-B models.

**Monthly Subscriptions**
- Subscriptions include a SIM card, access to PyroNet GSMView, and a daily allowance of 24 transmissions (1 per hour) or 144 transmissions (1 every 10 minutes) as standard. Other options are available.

- Optionally, alarm events may be transmitted by SMS and email.

Contact Calex to discuss your requirements.