PURRMETRIX

DATA SHEET

The PurrMetrix system uses an array of temperature sensors (known as kittens) to collect data which is then transmitted via a gateway to our web application.

Kittens

Kittens are ideally suited to measuring temperatures in interior situations. They have a high accuracy and resolution, come pre-calibrated and report temperature to the web application in near real time, making them highly suited to monitoring comfort and valuable items.

Small in size and easy to retrofit, they can be attached to fixtures or furniture in any location to accurately report conditions for occupiers and important equipment.

Features
- High accuracy and resolution
- Low response time
- Provides temperature alerts and analytics (via web application)
- Locates on plan on web application
- Long battery life
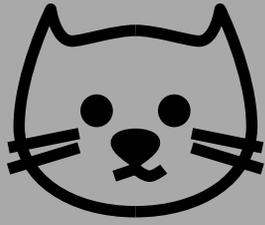- Low battery alert (via web application)

Kitten Characteristics

Performance	Reading Range	- 25 to +85°C
	Updates	Every 15 seconds
	Battery Life	>2.5 years
	Resolution	0.12°C
	Response time	Detects temperature change within 30 secs. Time constant of response 5 mins
Physical	Height	43 mm
	Width	23 mm
	Depth	9 mm

Calibration and accuracy.

All kittens are calibrated in manufacturing to give accuracy at room temperature of 0.12°C. Kittens are accurate to +/- 0.15°C between 10 - 30°C. Outside that range kittens are accurate to +/- 0.5°C between -25 and 85°C.

PURRMETRIX

Gateways

Gateways are radio receivers that listen to kittens, collecting data from up to 200 kittens where they are within range.They timestamp the data and secure it for delivery to the web application via an ethernet connection.

Compact and inconspicuous, Gateways use ubiquitous https transports and network sockets, meaning they are compatible with network translation infrastructures.

They come with power supply and ethernet cables as standard, to make set up quick and easy.

Features

- Collects data from up to 200 kittens within vicinity
- All data is authenticated and encrypted before transfer to the cloud
- Powered from mains (PoE option available)
- Connects to any CAT 5 Ethernet network
- SSL encryption

Gateway Characteristics

Performance	Update Rate	Every 10 seconds
	Storage	24 hours of data
	Status indicators	On/off/fault LED
	Range	25 meters in a typical open plan office environment.
	Security	TSL , X509
Physical	Height	90 mm
	Width	60 mm
	Depth	25 mm
	Power	Supplied with AC power supply (PoE available)

Required and related products

The PurrMetrix web application collects the data from kittens into the cloud and turns it into analytics and reports that support action. It also provides a platform for managing the data, gateways and kittens.

The application is available on a subscription basis, priced per gateway. For more information about the PurrMetrix web application please see our website or email **hermione.crease@purrmetrix.com**

PurrMetrix Ltd, 1 Old Pound Yard,Great Shelford, Cambridge CB22 5EH

WWW.PURRMETRIX.COM