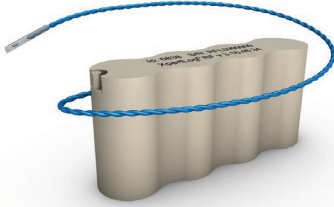# GMP RF F 2R4V

Real Time Wireless Temperature Data Logger with Flexible Sensor
-60°C to +85°C

FDA 21 CFR Part 11

+ *Collects and transmits real time temperature to XpertLog Software*
+ *ITS-90 calibration coefficients are stored in the internal memory*
+ *Complies with FDA 21 CFR Part 11*
+ *Network ready: multiple users, centralized, server database, active directory authentication*
+ *Calibration can be performed on site*
+ *Can be remotely activated*

18 mm / 0.70"

72 mm / 2.84"

33 mm / 1.3"
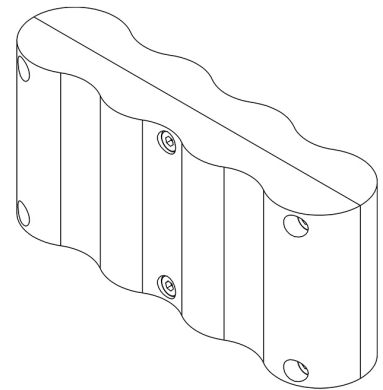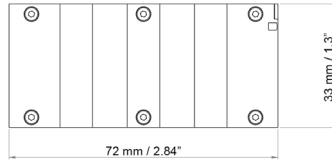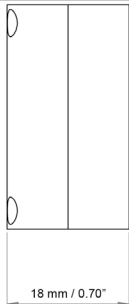
Sensor type	4 wires thin, teflon
- flexible	200 mm (7.87") or custom length
- customized	up to 5000 mm (195")
- Sensor size	1.2 x 1.6 mm (0.05 x 0.06")
- cross section	0.48 mm² (0.0007 inch²)
Operating Range	
- body	-60°C to +85°C
- Sensor	-90°C to +140°C
Accuracy	±0.1°C from -60°C to +85°C
Resolution	0.01°C
Memory capacity	32,000 data points
Memory type	non volatile
Sampling rate	1 sec to 24 hours
Transmission	simultaneus: maximum 20 loggers
	sequential: unlimited
Internal clock drift	4 sec / 24 h @ 23°C
Mechanical	
- material	Peek 1000 - FDA compliant
	Screws: 316L
- enclosure	IP-68
- weight	54 g (1.91 oz)
- length	72 mm (2.84")
- width	18 mm (0.70")
- height	33 mm (1.3")
Power	2 x Lithium batteries
	user replaceable
Battery lifetime	Up to 4 months, based on usage
Antenna	Internal
Wireless range	121 m (400 feet)
Radio frequency	2.4 Ghz ISM band
Access point	USB to computer
	Programs and reads unlimited number of loggers
Calibrations	Factory Calibrations: traceable NIST/COFRAC - ITS-90 coefficients stored in the internal memory
	User Calibrations: closed loop calibration using XpertLog® software
Certification	Health Safety: EN 60950-1 / 2006
	EMC: EN 60601-1-2 / 2007
	RF: EN 300440-2 v1.3.1 (2009-03)

Order Reference
GMP-RF-F-2R4V

Standard Calibration Points
- -60°C
- 0°C
- 85°C

XpertLog software