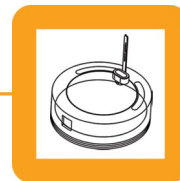
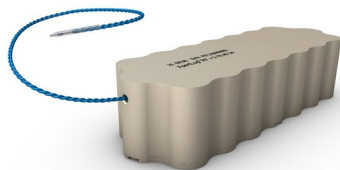


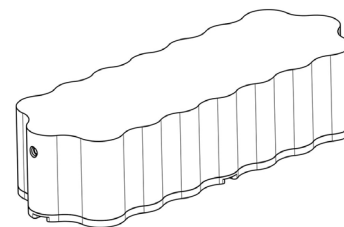
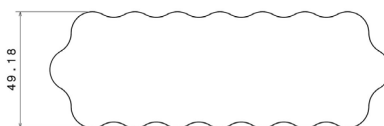
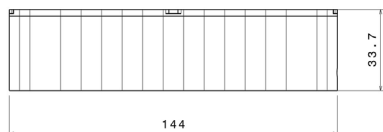
GMMPF RF 2R 22V



Low Temperature Data Logger For 2R Vials Usable at -120°C



- + Real time data to XpertLog Software above -60°C
- + 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



Sensor type	4 wires thin, teflon
- flexible	150 mm (6") or custom length
- sensor size	1.2 x 2.8 mm (0.05 x 0.11")
- cross section	1.13 mm ² (0.00175 inch ²)
Operating Range	
- body	-90 °C to +85 °C
- sensor	-120 °C up to 30 minutes -200°C to +200°C
Accuracy	Before exposing the logger to temperatures below -90° C, the logger must stay for at least 3 hours at ambient temperature to allow warming to ambient ±0.1°C from -90 to +85°C ±0.5°C at -196°C
Resolution	0.01°C
Memory capacity	32,000 data points
Memory type	non volatile
Sampling rate	1 sec to 24 hours
Transmission	simultaneous: maximum 20 loggers sequential: unlimited
Internal clock drift	4 sec / 24 h @ 23°C
Mechanical	
- material	Peek 1000 - FDA compliant
- enclosure	Screws: 316L IP-64
- weight	180 g (6.35 oz)
- length	144 mm (5.67")
- width	49.18 mm (1.94")
- height	33.7 mm (1.33")
Power	Lithium battery user replaceable
Battery lifetime	Up to 6 months, based on usage
Antenna	Internal
Wireless range	up to 121 m (400 feet)
Radio frequency	2.4 Ghz ISM band
Access point	USB to computer
Calibrations	Programs and reads unlimited number of loggers Factory Calibrations: traceable NIST/COFRAC - ITS-90 coefficients stored in the internal memory User Calibrations: close 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) FCC compliant CE certified

Order Reference
GMMPF_RF_2R_22V

Standard Calibration Points

- -196°C
- -80°C
- 0°C
- 85°C

