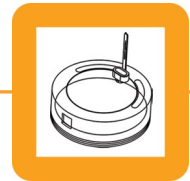
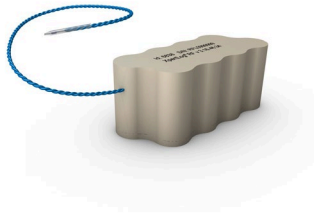


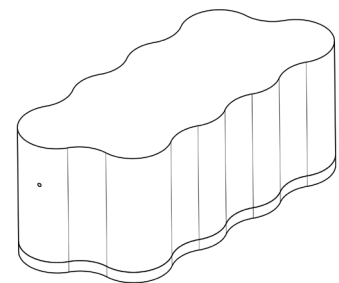
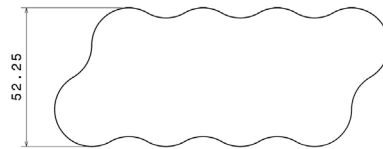
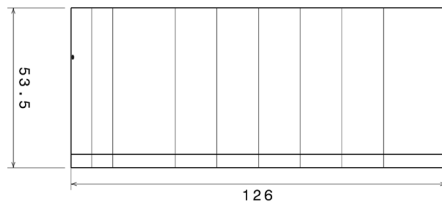
GMPPF RF 20R 8V



Low Temperature Data Logger For 20R 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

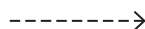
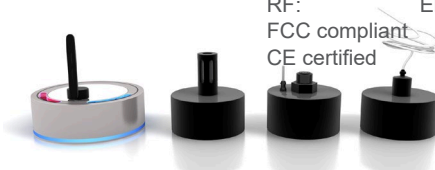


Sensor type	4 wires thin, teflon
- flexible	150 mm (6") or custom length
- sensor size	1.2 x 2.8 mm (0.05 x 0.11")
- cross section	1.13 mm ² (0.00175 inch ²)
Operating Range	
- body	-90 °C to +85 °C
	-120 °C up to 30 minutes
- sensor	-200°C to +200°C
	Before exposing the logger to temperatures below -90° C, the logger must stay for at least 3 hours at ambient temperature to allow warming to ambient
Accuracy	±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
	Screws: 316L
- enclosure	IP-64
- weight	230 g (8.11 oz)
- length	126 mm (4.96")
- width	52.25 mm (2.06")
- height	53.5 mm (2.09")
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
	Programs and reads unlimited number of loggers
Calibrations	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
GMPPF_RF_20R_8V

Standard Calibration Points

- -196°C
- -80°C
- 0°C
- 85°C



XpertLog
software

