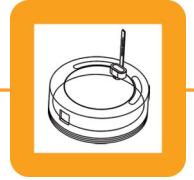
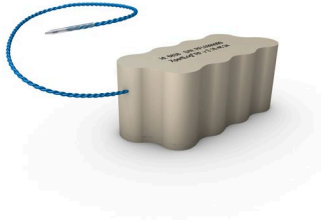


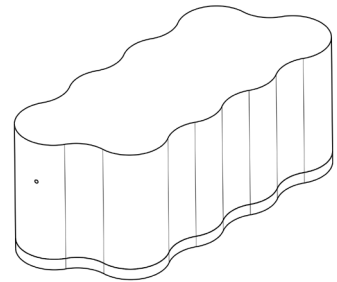
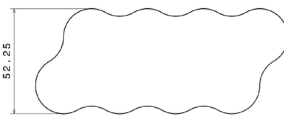
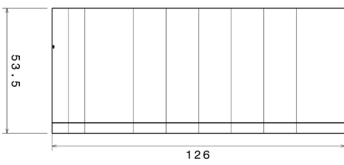
GMP RF F 20R8V



Low Temperature Real Time Wireless Data Logger with Flexible Sensor Usable at -120°C -90°C to +85°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
- customized	up to 5000 mm (195")
- Sensor size	1.2 x 1.6 mm (0.05 x 0.06")
- cross section	0.48 mm ² (0.0007 inch ²)
Operating Range	
- body	-90°C to +85°C
- Sensor	-120°C up to 30 minutes -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°C 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
- weight	IP-64
- length	230 g (8.11 oz)
- width	126 mm (4.96")
- height	52.25 mm (2.06")
Power	53.5 mm (2.09")
Battery lifetime	Lithium battery
Antenna	user replaceable
Wireless range	Up to 6 months, based on usage
Radio frequency	Internal
Access point	up to 121 m (400 feet)
Calibrations	2.4 Ghz ISM band
Certification	USB to computer
	Programs and reads unlimited number of loggers
	Factory Calibrations: traceable NIST/COFRAC - ITS-90 coefficients stored in the internal memory
	User Calibrations: closed loop calibration using XpertLog® software
	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
GMP-RF-F-20R8V

Standard Calibration Points

- -196°C
- -80°C
- 0°C
- 85°C

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