

DST micro-HRT

Generation 1

Generation 2

Sensors	Temperature and heart rate	Temperature and heart rate
Size (Diameter x Length)	8.3 mm x 25.4 mm	8.3 mm x 25.4 mm
Housing Material	Alumina (Ceramic) and biocompatible epoxy	Alumina (Ceramic) and biocompatible epoxy
Weight	3.3g	3.3g
Data Resolution	12 bit (Temperature)	12 bit (Temperature)
Temperature Range	5°C to +45°C (41°F to 113°F)	5°C to +45°C (41°F to 113°F)
Extended Calibration Option	Calibration below 5°C available upon request	Calibration below 5°C available upon request
Temperature Resolution	0.032°C (0.058°F)	0.032°C (0.058°F)
Temperature Accuracy	+/- 0.2°C (0.36°F)	+/- 0.2°C (0.36°F)
Memory Type	Non-volatile EEPROM	Non-volatile EEPROM
Memory Capacity	43,690 measurements per sensor, 174 ECG buffer measurements	87,381 measurements per sensor, 349 ECG buffer measurements
Measurement Interval	User specified in second(s), minute(s), or hour(s)	User specified in second(s), minute(s), or hour(s)
Minimum Measurement Interval	15 seconds	30 seconds
Multiple Intervals Option	Up to 7 different intervals	Up to 7 different intervals
Measurement Options (Primary/Secondary)	Temperature only or Temperature and heart rate	Temperature only or Temperature and heart rate
Heart Rate (HR): ECG Sampling Frequency	80-800Hz	80-800Hz
Duration of HR Measurement	600 ECG samples	600 or 1500 ECG samples
Data Retention	25 Years	25 Years
Clock	Real time clock. Accuracy +/-1 min/month.	Real time clock. Accuracy +/-1 min/month.
Communications	Communication Box, wireless transmission when DST is placed in the box. Connection to PC: USB cable	Communication Box, wireless transmission when DST is placed in the box. Connection to PC: USB cable
Battery Life	3.5 months*	3 months*
Replaceable Battery	No	No

*For a measurement interval of 10 min at fs=600 Hz. Battery life of heart rate loggers is subject to change based on sampling frequency. Battery is non-replaceable and non-rechargeable