

DST centi-ACT

	Generation 1	Generation 1
Sensors	Activity (3-axes acceleration),	Activity (3-axes acceleration),
Size (Diameter x Length)	15mm x 46mm	15mm x 46mm
Housing Material	Alumina (Ceramic)	Alumina (Ceramic)
Weight (in Air/in Water)	19g/12g	19g/12g
Data Resolution	12 bit (Temperature), 13 bit	12 bit (Temperature), 13 bit
Acceleration Resolution	4 mg	2 mg
Temperature Range	5°C to +45°C (41°F to 113°F)*	5°C to +45°C (41°F to 113°F)*
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	FLASH	FLASH
Memory Capacity	279,620 measurements per sensor (if all parameters are recorded)	104,856 measurements per sensor (if all parameters are recorded simultaneously)
Memory Capacity Bytes	2,097,152 bytes / temperature 1.5 bytes, acceleration 6 bytes (raw data)	2,097,152 bytes / temperature 2 bytes, acceleration statistics 18 bytes
Measurement Interval	User specified in second(s)	User specified in second(s) minute(s), or
Minimum Measurement Interval	1 second	2 minutes
Multiple Intervals Option	Up to 7 different intervals	Up to 7 different intervals
Measurement Options	T OR ACT OR T+ACT	T OR T+ACT
Activity (ACT): Accelerometer Sampling Frequency	0.03Hz-1Hz	0.03Hz-10Hz
Duration of ACT Measurement	1 sample	1 minute
Data Retention	25 years	25 years
Clock	Real time clock. Accuracy +/-1	Real time clock. Accuracy +/-1
Communications	Communication Box, wireless transmission when DST is placed in the box. Connection to PC: USB	Communication Box, wireless transmission when DST is placed in the box. Connection to PC: USB cable.
Attachment Hole	0.9 mm (diameter)	0.9 mm (diameter)
Battery Life	3 years**	4-30 months***
Replaceable Battery	No	No