

Ambulatory data logger specifications

- Number of loggers required: 20
- The sensors should be minimally invasive, reliable, automatic and stress free measurements.
- The sensors should be able to record heart rate, activity (3 axes acceleration) and temperature
- The loggers should have provision for ECG derived heart rate, including data verification
- The weight of the loggers should be 20 gm or below
- Temperature range should be 5°C to 45°C, and temperature accuracy should be $\pm 0.1^\circ\text{C}$
- The loggers should be completely leadless and biocompatible
- The loggers should record data continuously at preset intervals
- The logger should have multiple interval option with a minimum of 5 intervals. Sampling intervals should be user defined in seconds, minutes or hours
- The logger should have sufficient memory of atleast 2,00,000 (2 lakhs) measurements per sensors
- The loggers should retain data for a minimum of 25 years.
- The logger should be with sufficient memory. There should be provision to manage the memory through custom programming
- The battery life should be long, minimum of 6 months
- Reusability –the logger should be re-sterilizable and set the logger for new recordings.
- Each logger should have an electronic serial number as well as an external serial number on the housing for identification and traceability.
- The logger should have the following accessories included within the instrument cost: communication box, wireless transmission, connection to PC and USB cable
- Loggers should have a minimum 12 months warranty