3100 TROUBLESHOOTING

The most important thing to remember is making sure all 8 pins are there and not damaged on the sensor or the serial cable.

Battery life: 24 hours of continuous use.
The memory will not be lost when the batteries are removed.

Activation Options
The WristOx features Spot Check mode, Sensor Activation mode, and Programmed mode.

Spot Check Mode:
Spot Check mode is the WristOx default activation setting. In Spot Check mode, inserting a finger in the sensor turns ON the WristOx automatically, and removing a finger turns OFF the WristOx automatically. In this mode, the sensor can be left attached (plugged in) to the WristOx.
NOTE: If the device cannot track the pulse or finger removal is not detected, the WristOx will shut off automatically after 3 minutes.

Sensor Activation Mode:
Sensor Activation mode can be selected with nVISION software (version 5.0 or greater). In this mode, connecting and disconnecting the sensor from the WristOx functions like an ON/OFF switch (whether or not a finger is in the sensor). In Sensor Activation mode, the WristOx shuts off automatically after 30 minutes of no use or invalid pulse detection.
NOTE: When the WristOx shuts off automatically after 30 minutes, the sensor must be unplugged and then reattached in order to turn on the WristOx.

Programmed Mode:
In Programmed mode, the WristOx turns on and off at user-defined intervals that are selected using nVISION software (version 5.0 or greater). Programmed mode allows users to select up to three start and stop times and dates. *The sensor must be connected in order for Programmed mode to function.*
NOTE: In Programmed mode, the WristOx turns on and off ONLY at preprogrammed intervals. The device cannot be used at unprogrammed times until exiting Programmed mode with nVISION software.

If the unit turns on then off right away it's probably in programmed mode, have them connect the 3100 to their PC with the 1000MC-WO cable and verify its activation setting.

The error mode is a low power mode to display an error message that prohibits normal operation. Three errors are recognized:

1. Critical Battery: when the battery voltage drops to the critical level at which performance would be compromised the software will enter Error mode from Run mode, computer mode or from start.
2. Configuration Sector Error: if the checksum for the configuration sector is in error, the software will enter the Error mode from Start mode if sensor cable is connected.
3. Non-volatile Memory Write Error: if an error occurs while writing the external non-volatile memory during Run mode, the software will enter the Error mode from Run mode. The software can enter from Start if the sector-checksum for the next available sector is incorrect.

The display will be blank with the exception of the Battery icon or Error code as the case may be. The error code for the associated error is given in the following table. The Error code will be displayed the in the lower (3-digit) field at 0.5 Hz, 50% duty cycle if the error was present prior to entering Error mode. If both errors were present, E01 will be displayed. The Battery icon will flash at 0.5 Hz, 50% duty cycle if battery was critical prior to entering Error Mode.

Error	Error Code
Configuration Sector	E01
Memory Write	E02

The units will have to come back to us if any errors occur.