

## microAeth Model AE51 Operation Card

### Routine Sample Procedure:

1. Turn microAeth ON.
2. Connect to PC running microAethCOM, synch date/time and set/verify parameters.
3. Turn off microAeth using software function.
4. To start sampling session, turn microAeth ON.
5. To end session, turn microAeth OFF.

### Turning OFF the microAeth:

- **Normal mode:** The power button must be pressed and released three times in succession. Each cycle takes about 1 second and is indicated by a simultaneous beep and red LED light as follows :  
**Press** /flash&beep/ **Release** /flash&beep/ **Press** /flash&beep/  
**Release** /flash&beep/ **Press** /flash&beep/ **Release**
- **USB Only Mode:** Shut down using microAethCOM.



## LED Indicator Status

<b>Run Modes</b>		
Green	1 long blink "PSHEW" sound	Running, start of data storing to internal memory
Green	1 blink every 3 sec	Running, acquiring data
Green	2 blinks every 3 sec	Running, acquiring data to internal memory and streaming.
Green	1 long blink every 1 or 5 min	OK - Data writing to internal memory
<b>Data Collection and Status Warning</b>		
Red & Green	Green - 1 blink every 3 sec Red - 1 blinks every 1 sec	Warning - Change filter ticket
Red & Green	Green - 1 blink every 3 sec Red - 2 blinks every 1 sec	Warning - Battery low
Red & Green	Green - 1 blink every 3 sec Red - 3 blinks every 1 sec	Warning - Flow error
<b>Stop Modes</b>		
Red & Green	Green - 1 blink every 1 sec Red - 1 blink every 1 sec	Running, not collecting data, all other functions OK. At startup, unit also emits beep.
Red Only	Red - Repeating blink on/off sequence; on time is same as off time. AE51 also emits one series of 3 triple beeps.	Critical hardware error: <ul style="list-style-type: none"> <li>• Main supply voltage too high or too low</li> <li>• Optical source current too high or too low</li> <li>• Optical source feedback circuit error.</li> </ul>