

Endicate™ Users Guide

Starting an Endicate™ Device

Endicate™ offers two customized start options – click to start or click and hold.

Click to Start:

- 1) A single click will start a sequence on the LCD screen – OK, 1, 2, 3, 4, X.
- 2) The device will then blink “OK” while in soaking (delayed start) mode.
- 3) Once the “OK” stops blinking, the device is actively monitoring (*Figure 1*).

Click and Hold:

- 1) Press and hold Start button for length of time defined in profile.
- 2) This will start a sequence on the LCD screen – OK, 1, 2, 3, 4, X.
- 3) The device will then blink “OK” to show it’s in soaking mode.
- 4) Once the “OK” stops blinking, the device is actively monitoring (*Figure 1*).



Figure 1

Reading an Endicate™ Device

- 1) Once the monitoring is complete, remove the Endicate™ device.
- 2) If the LCD displays “OK”, no alarms have been triggered.
- 3) If the LCD displays an “X” and any of the numbers (1, 2, 3, 4), then an alarm has been triggered (*Figure 2*).
- 4) If an alarm is triggered, the user should follow the appropriate protocol for handling of the shipment.



Figure 2

Advanced Time and Temperature Functionality

If configured, Endicate’s advanced time and temperature functionality allows you to determine when a temperature breach has occurred within your supply chain. This feature is available to track all 4 alarms and is available as long as your device is configured with **stop mode enabled**.

How it works:

- 1) Upon receipt, the device will need to be put in STOP mode by holding the Start button for 2 seconds. STOP mode can be confirmed when the display shuts off.
- 2) Hold the Start button again for 2 seconds to allow the device to enter the tracking mode to display the following information:
 - a) If none of the alarms were triggered, the device will blink “OK” twice with the associated alarm then proceed to STOP state.
 - b) If any of the alarms were triggered, 2 things would be shown:

The alarms that didn’t trigger would blink 2 times with an OK status.

Alarms that were triggered would blink twice with an “X”, followed by a sequence of 6 digits. These 6 digits are important to note to determine the time of excursion. By visiting support.lgpharma.com and selecting Endicate Electronic Temperature Monitoring, you can easily enter these digits into the 4 blank fields to determine when each alarm was triggered within a 1 hour window.

ALARM 1	<input type="text"/>
	0 hours ago
ALARM 2	<input type="text"/>
	0 hours ago
ALARM 3	<input type="text"/>
	0 hours ago
ALARM 4	<input type="text"/>
	0 hours ago

Fail Safe Protection

- 1) Endicate™ performs a system check during operation and enters fail-safe mode to alert the user of device malfunction.
- 2) If the Endicate™ device has detected a faulty temperature sensor or the operating temperature range has been exceeded, the device will discontinue temperature monitoring and display only an “X” on the LCD display screen (*Figure 3*).



Figure 3

Storage and Shelf Life

The Endicate device has a shelf life of 12-36 months. Extreme ends of the operating temperatures will affect the overall shelf life. To achieve 36 months, store at 70°F.

Device is not to be submerged in water.