

Diabetes Skills Standard Training Checklist Threshold Suspend Sensor/Pump Feature

The Threshold Suspend feature automatically stops insulin delivery when sensor glucose values reach a *preset low threshold* (ie: 60mg/dl).

Threshold Suspend, when triggered, requires the student/trained staff to choose between leaving the basal insulin off or restarting it. If no choice is made, the pump alarms repeatedly and remains off (for up to 2 hrs) until a choice has been made (during this time period, no bolus insulin can be given).

Brands: MiniMed® 530G with Enlite

In general, If Threshold Suspend pump alarms go off - see individual student's provider orders/health care plan for specific treatment instructions if indicated.

1. Know student's preset low threshold value (when feature will be triggered)
2. If Threshold Suspend pump alarms go off: <ol style="list-style-type: none"> a. First, clear the alarm by pressing ESC followed by ACT b. If the student is having no symptoms or mild hypoglycemic symptoms, press <i>Restart Basal</i> c. If the student is having moderate to severe symptoms (uncooperative, uncoordinated, combative, unable to drink/chew fast acting glucose, loss of consciousness, seizures) choose <u>SUSPEND</u> to stop pump
3. Check student's Blood Glucose immediately via finger stick to confirm the child is truly low (false alarms occur frequently in children and sensor glucose readings and blood glucose readings often do not match).
4. If below target/low threshold value, suspend pump, treat with 15gms of fast-acting glucose, retest in 15 minutes. Notify school nurse and parent that you have suspended pump.
5. Follow Emergency Action Plan for Hypoglycemia.
6. Repeat as needed until BG is above 70mg/dl.
7. Once the blood sugar rises above target, restart the basal insulin if it has been suspended (Press ACT followed by Restart Basal).
8. If the child drops back below <i>preset low value</i> within 20 minutes - the suspend feature will reactivate. Repeat above steps.
9. If student's confirmed finger stick reading is above target, restart basal insulin immediately.
10. Notify school nurse immediately when pump is in suspend mode and/or incidences of hypoglycemia or false alarms occur. Notify parents of these hypoglycemic episodes and/or false alarms.