



# CONTINUOUS GLUCOSE MONITORS

COMPANY/ PRODUCT	TRANSMITTER & SENSOR SIZE	RECEIVER SIZE	BATTERY	RANGE	WARM-UP TIME	CALIBRATION	SENSOR DURATION	SOFTWARE	DETAILS
<b>STAND-ALONE CONTINUOUS GLUCOSE MONITORS</b>									
<b>ABBOTT</b> FreeStyle Libre System  	1.38 in. diameter x 0.2 in.  0.18 oz.	2.36 x 3.71 x 0.63 in.  2.3 oz.	Sensor has 1 silver oxide battery. Reader has 1 rechargeable lithium ion battery.	The reader must be within 1.5 inches of the sensor to scan it.	It takes 12 hours to be ready after inserting the sensor and scanning it with the reader.	Daily calibration is not required.	10 days	Works with LibreView, a cloud-based diabetes-management system. FreeStyle Libre desktop software can be used to view reports and change reader settings. The software is compatible with most Windows and Mac operating systems. Also compatible with Tidepool data-management system.	No finger-stick confirmation required when making treatment decisions. Reads glucose levels through a sensor that is worn on the back of the upper arm for up to 10 days. Unlike other CGMs, it doesn't communicate continuously with the reader; you have to scan the sensor to get a reading. Glucose levels are displayed as number values as well as trends. The reader has a built-in meter. Water resistant for up to 3 feet deep for 30 minutes, so you can wear it while bathing. Approved for use by adults 18 and over.
<b>DEXCOM</b> G4 Platinum  	1.5 x 0.9 x 0.4 in.  0.3 oz. with sensor	4 x 1.8 x 0.5 in.  2.4 oz.	Transmitter has integrated battery with a 6-month warranty. Rechargeable receiver.	The sensor and transmitter must be within 20 (unobstructed) feet of the receiver.	It takes 2 hours to be ready after inserting the sensor.	Calibrate every 12 hours. Blood glucose levels must be between 40 and 400 mg/dl to calibrate.	7 days	Works with Dexcom Studio data-management software for Windows and Dexcom Clarity web-based data-management software for Windows and Macs. Compatible with Glooko and Tidepool data-management systems.	Built-in hypoglycemia safety alarm alerts user when glucose hits 55 mg/dl and is always on. Customizable alerts with a number of different tones tell user when glucose falls below or rises above user-selected limits and when glucose is rising or falling rapidly. When calibrating or dosing insulin, manually enter a glucose reading from any meter. Sensor with attached transmitter is water resistant for up to 8 feet deep for 24 hours, so you can wear it while bathing and swimming. The receiver should not get wet. Works with the Dexcom Share 2 app, which sends real-time glucose values to the cloud, allowing up to five caregivers using Dexcom's Follow app to view real-time glucose readings on Apple or select Android devices. Approved for use by adults and children 2 and over.
<b>DEXCOM</b> G5 Mobile  	1.5 x 0.9 x 0.5 in.  0.4 oz. with sensor	2.5 x 4.2 x 0.55 in.  2.4 oz.	Transmitter has integrated battery with a 3-month warranty. Rechargeable receiver.	The sensor and transmitter must be within 20 (unobstructed) feet of the receiver or an iPhone, iPad, or iPod Touch running the Dexcom app.	It takes 2 hours to be ready after inserting the sensor.	Calibrate every 12 hours. Blood glucose levels must be between 40 and 400 mg/dl to calibrate.	7 days	Automatically sends data to the Dexcom Clarity web-based diabetes management software. Compatible with Glooko and Tidepool data-management systems.	Users can get CGM data and alerts directly on their smart device. A receiver is available, but not necessary. Compatible with the Tandem T:slim X2 pump. (More on the T:slim X2 pump, p. 80.) No finger-stick confirmation required when making treatment decisions. Built-in hypoglycemia safety alarm alerts user when glucose hits 55 mg/dl and is always on. Customizable alerts tell user when glucose falls below or rises above user-selected set limits and when glucose is rising or falling rapidly. When calibrating, manually enter a glucose reading from any meter. Sensor with attached transmitter is water resistant for up to 8 feet deep for 24 hours, so you can wear it while bathing and swimming. The receiver should not get wet. Approved for use by adults and children 2 and over.
<b>COMBINATION CONTINUOUS GLUCOSE MONITORS-INSULIN PUMPS</b>									
<b>MEDTRONIC DIABETES</b> MiniMed 530G System  	1.4 x 1.12 x 0.37 in.  0.19 oz. without sensor	3.7 x 2 x 0.82 in.  3.7 oz. with battery and full reservoir	Rechargeable transmitter. Fully charged transmitter lasts for 6 days of continuous use. Charger uses 1 AAA battery that lasts for 40 charges. Pump uses 1 AAA battery.	The sensor and transmitter must be within 6 feet of the pump.	It takes 2 hours to be ready after inserting the sensor.	Calibrate every 12 hours. Blood glucose levels must be between 40 and 400 mg/dl to calibrate.	6 days	Works with CareLink Personal data-management software. Compatible with Windows and Mac operating systems. Compatible with Glooko and Tidepool data-management systems.	The MiniMed 530G functions as both an insulin pump and a CGM. (More on its pump functions on p. 78.) SmartGuard technology automatically stops insulin delivery for up to 2 hours when glucose values reach a user-selected low threshold and there is no response to the alarm. Alerts warn user up to 30 minutes before glucose hits user-selected upper or lower limit, when glucose is rising or falling rapidly, and when glucose reaches a preset high and low limit. The Contour Next Link meter wirelessly communicates with the system, so no manual entry is needed for calibration or insulin dosing. You can also manually enter a glucose reading from any meter. Sensor with attached transmitter is waterproof for up to 8 feet deep for 30 minutes, so you can wear it while bathing and swimming. Pump is not watertight; remove before bathing and swimming. Approved for use by adults and children 16 and over.

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<b>COMBINATION CONTINUOUS GLUCOSE MONITORS-INSULIN PUMPS</b>									
<b>MEDTRONIC DIABETES</b> <b>MiniMed 630G System</b> 	1.4 x 1.12 x 0.37 in.  0.19 oz. without sensor	2.1 x 3.78 x 0.96 in.  3.7 oz. without battery and with empty reservoir	Rechargeable transmitter. Fully charged transmitter lasts for 6 days of continuous use. Charger uses 1 AAA battery that lasts for 40 charges. Pump uses 1 AA battery.	The sensor and transmitter must be within 6 feet of the pump.	It takes 2 hours to be ready after inserting the sensor.	Calibrate every 12 hours. Blood glucose levels must be between 40 and 400 mg/dl to calibrate.	6 days	Works with CareLink Personal and Professional data-management software. Compatible with Windows and Mac operating systems.	The MiniMed 630G functions as both an insulin pump and a CGM. (More on its pump functions on p. 78.) SmartGuard technology automatically stops insulin delivery for up to 2 hours when glucose values reach a user-selected low threshold and there is no response to the alarm. Alerts warn user up to 30 minutes before glucose hits a user-selected upper or lower limit, when glucose is rising or falling rapidly, and when glucose reaches a preset high and low limit. The Contour Next Link 2.4 meter wirelessly communicates with the system, so no manual entry is needed for calibration, insulin dosing, or remote bolus delivery. You can manually enter a glucose reading from any meter. Sensor with attached transmitter is waterproof for 8 feet deep for up to 30 minutes, so you can wear it when bathing and swimming. Pump is waterproof for 12 feet deep for up to 24 hours. Approved for use by adults and children 16 and over.
<b>MEDTRONIC DIABETES</b> <b>MiniMed 670G System</b> 	1.4 x 1.12 x 0.37 in.  0.19 oz. without sensor	2.1 x 3.78 x 0.96 in.  3.7 oz. without battery and with empty reservoir	Rechargeable transmitter. Fully charged transmitter lasts for 6 days of continuous use. Charger uses 1 AAA battery that lasts for 40 charges. Pump uses 1 AA battery.	The sensor and transmitter must be within 6 feet of the pump.	It takes up to 2 hours to be ready after inserting the sensor.	Calibrate every 12 hours. Blood glucose levels must be between 40 and 400 mg/dl to calibrate. System might need additional calibration.	7 days	Works with CareLink Personal and Professional data-management software. Compatible with Windows and Mac operating systems.	The MiniMed 670G functions as both an insulin pump and a CGM. (More on its pump functions on p. 78.) SmartGuard technology automatically stops insulin delivery for up to 2 hours when glucose values reach a user-selected low threshold and there is no response to the alarm. The AutoMode feature automatically adjusts basal insulin delivery based on the user's sensor glucose values and recent insulin delivery, though it still requires users to enter carb grams and confirm mealtime and correction bolus recommendations. Uses the new Guardian Sensor 3 for enhanced accuracy. The Contour Next Link 2.4 meter wirelessly communicates with the system, so no manual entry is needed for calibration, insulin dosing, or remote bolus delivery. You can manually enter a glucose reading from any meter. Sensor with attached transmitter is waterproof for 8 feet deep for up to 30 minutes, so you can wear it when bathing and swimming. Pump is waterproof for 12 feet deep for up to 24 hours. Approved for use by adults and children 14 and over with type 1 diabetes.
<b>MEDTRONIC DIABETES</b> <b>MiniMed Paradigm Revel</b> 	1.4 x 1.12 x 0.37 in.  0.19 oz. without sensor	3.7 x 2 x 0.84 in.  3.5 oz. with battery and full reservoir	Rechargeable transmitter. Fully charged transmitter lasts for 6 days of continuous use. Charger uses 1 AAA battery that lasts for 40 charges. Pump uses 1 AAA battery.	The sensor and transmitter must be within 6 feet of the pump.	It takes 2 hours to be ready after inserting the sensor.	Calibrate every 12 hours. Blood glucose levels must be between 40 and 400 mg/dl to calibrate.	6 days	Works with CareLink Personal and Professional data-management software. Compatible with Windows and Mac operating systems. Compatible with Glooko and Tidepool data-management systems.	The MiniMed Paradigm Revel functions as both an insulin pump and a CGM. (More on its pump functions on p. 80.) Alerts warn user when glucose is rising or falling rapidly, and when glucose reaches a preset high or low limit. The Contour Next Link meter wirelessly communicates with the system, so no manual entry is needed for calibration or insulin dosing. You can manually enter a glucose reading from any meter. Sensor with attached transmitter is waterproof for up to 8 feet deep for 30 minutes, so you can wear it while bathing and swimming. Pump is not watertight; remove before bathing, swimming, or other water activities. Works with MiniMed Connect, which allows pump data to be displayed via Apple or Android smart devices. MiniMed Connect can also text updates to family and friends. Approved for use by adults and children 16 and over.
<b>TANDEM DIABETES</b> <b>CARE</b> <b>T:slim X2</b> 	1.5 x 0.9 x 0.5 in.  0.4 oz. with sensor	3.13 x 2 x 0.6 in.  3.95 oz. with battery and full reservoir	Transmitter has integrated battery that lasts a minimum of 3 months. Pump uses an integrated rechargeable lithium polymer battery.	The sensor and transmitter must be within 20 (unobstructed) feet of the pump.	It takes 2 hours to be ready after inserting the sensor.	Calibrate every 12 hours. Blood glucose levels must be between 40 and 400 mg/dl to calibrate.	7 days	Works with the web-based T:Connect Diabetes Management Application. Compatible with Diasend, Glooko, and Tidepool data-management systems.	The Tandem T:slim X2 functions as both an insulin pump and a CGM, once integrated with the Dexcom G5 Mobile sensor and transmitter. (More on its pump functions on p. 80.) No finger-stick confirmation required when making treatment decisions. Built-in hypoglycemia safety alarm alerts user when glucose hits 55 mg/dl and is always on. Customizable alerts with a number of different tones tell user when glucose falls below or rises above user-selected limits and when glucose is rising or falling rapidly. When calibrating, manually enter a glucose reading from any meter. Sensor with attached transmitter is water resistant for up to 8 feet deep for 24 hours, so you can wear it while bathing and swimming. Pump is watertight for up to 3 feet deep for 30 minutes. Approved for use by adults and children 6 and over.