

Characteristic	670G V4.0- +GS3	780G + GS3	780G +GS4	e-AHCL-+ all-in one sensor
Menu	List based	Icon based	Icon based	Icon based
Time in Range graphs	Separate Day and Night	Single 24 hour rolling	Single 24 hour rolling	Single 24 hour rolling
Wireless Connectivity	Radiofrequency, Tel-D	Bluetooth	Bluetooth	Bluetooth
Phone App Connectivity	No	Yes	Yes	Yes
Control Algorithm	AHCL	AHCL	AHCL	e-AHCL
Target Setpoints	5.6 mmol/L (100 mg/dL) 6.7 mmol/L (120 mg/dL)	5.6 mmol/L (100 mg/dL) 6.1 mmol/L (110 mg/dL) 6.7 mmol/L (120 mg/dL)	5.6 mmol/L (100 mg/dL) 6.1 mmol/L (110 mg/dL) 6.7 mmol/L (120 mg/dL)	5.6 mmol/L (100 mg/dL) 6.1 mmol/L (110 mg/dL) 6.7 mmol/L (120 mg/dL)
Temp Target (8.3 mmol/L [150mg/dL]) Maximum Duration	12 hours	24 hours	24 hours	24 hours
Mandatory Critical Low Alert	2.8 mmol/L (50 mg/dL)	3.0 mmol/L (54 mg/dL)	3.0 mmol/L (54 mg/dL)	3.0 mmol/L (54 mg/dL)
Sensor glucose range	2.2-22.2 mmol/L (40 – 400 mg/dL)	2.8-22.2 mmol/L (50 – 400 mg/dL)	2.8-22.2 mmol/L (50 – 400 mg/dL)	2.8-22.2 mmol/L (50 – 400 mg/dL)
Sensor Calibration	Fingerstick	Fingerstick	none	none
Infusion set	3-Day	3-Day	3-Day	7-Day

**Supplementary Table 1:** Summary of AID System Differences. AHCL= advanced hybrid closed loop system. e-AHCL= enhanced-advanced hybrid closed loop system with an updated AHCL algorithm which includes modifications to the calculation of the autocorrection boluses and daily user adaptations. GS3 = Guardian Sensor 3. GS4 = Guardian Sensor 4.