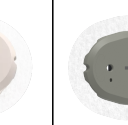


Update May 2024: CGM's Journey to the Mainstream

CGM 1/2	FreeStyle Libre	FreeStyle Libre 2	FreeStyle Libre 2 Plus	Lingo	Freestyle Libre 3	Combined glucose-keton sensor	Dexcom G5	Dexcom G6	Dexcom G6 Pro	Dexcom ONE	Dexcom G7	Dexcom ONE Plus	Dexcom Stelo	Guardian 3 Link	Guardian Connect	Guardian 4	Guardian 4 Smart MDI	Simplera CGM	Simplera Sync
Photo																			
Firm	Abbott (USA)	Abbott (USA)	Abbott (USA)	Abbott (USA)	Abbott (USA)	Abbott (USA)	Dexcom (USA)	Dexcom (USA)	Dexcom (USA)	Dexcom (USA)	Dexcom (USA)	Dexcom (USA)	Dexcom (USA)	Medtronic (USA)	Medtronic (USA)	Medtronic (USA)	Medtronic (USA)	Medtronic (USA)	Medtronic (USA)
Available	limited	yes	yes	yes (UK)	yes	not yet	limited	yes	yes	yes	yes	yes	2024	yes	yes	yes	yes	yes	yes
Sensor Type	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase
Age limit	≥ 4 year	≥ 4 year	≥ 4 year	≥ 4 year	≥ 4 year	≥ 4 year	≥ 2 year	≥ 2 year	≥ 2 year	≥ 2 year	≥ 2 year	≥ 2 year	≥ 18 year	>7 year	>14 year	>7 year	>14 year	≥ 2 year	≥ 2 year
Sensor life	14 days	14 days	15 days	15 days	14 days	14 days	7 days	10 days	10 days	10 days	10 days	10 days (+12h)	10 days (+12h)	7 days	7 days	7 days	7 days	7 days	7 days
Warm up time	1 hour	1 hour	1 hour	1 hour	1 hour	1 hour	2 hours	2 hours	2 hours	2 hours	30 min	30 min (overlap is possible)	30 min (overlap is possible)	2 hours	2 hours	2 hours	2 hours	2 hours (overlap is possible)	2 hours (overlap is possible)
Measures	1x/minute	1x/minute	1x/minute	1x/minute	1x/minute	1x/minute	1x/5 minutes	1x/5 minutes	1x/5 minutes	1x/5 minutes	1x/5 minutes	1x/5 minutes	1x/5 minutes	1x/5 minutes	1x/5 minutes	1x/5 minutes	1x/5 minutes	1x/5 minutes	1x/5 minutes
MARD	9,40%	9,2% (9,4% 4-17 years)	8,2% (8,1% 6-17 years)	9,20%	7,5% (8,6% 6-17 years)	7,5% (8,6% 6-17 years)	9,00%	9,00%	9,00%	9,00%	8,20%	8,20%	~iCGM	9,60%	9,60%	10,20%	10,20%	10,20%	10,20%
Insertion place	upper arm	upper arm	upper arm	upper arm	upper arm	upper arm	abdomen, upper arm	abdomen, upper arm (buttocks for children 2-17 year)	abdomen, upper arm (buttocks for children 2-17 year)	abdomen, upper arm (buttocks for children 2-17 year)	abdomen, upper arm (buttocks for children 2-6 year)	abdomen, upper arm (buttocks for children 2-6 year)	abdomen, upper arm (buttocks for children 2-6 year)	abdomen, upper arm (buttocks for children 7-13 years)	abdomen, upper arm	abdomen, upper arm (buttocks for children 7-17 years)	abdomen, upper arm	upper arm (buttocks for children 2-17 years)	upper arm (buttocks for children 2-17 years)
Calibration	none	none	none	none	none	none	2x/d	none	none	none	none	none	none	2x/d	2x/d	none	none	none	none
Transmitter	transmitter & sensor all-in-one	transmitter & sensor all-in-one	transmitter & sensor all-in-one	transmitter & sensor all-in-one	transmitter & sensor all-in-one	transmitter & sensor all-in-one	switch every 3 months	switch every 3 months	1 time use, disposable	switch every 3 months	transmitter & sensor all-in-one	transmitter & sensor all-in-one	transmitter & sensor all-in-one	garanty 1 year, charge battery when switch sensor	garanty 1 year, charge battery when switch sensor	garanty 1 year, charge battery when switch sensor	garanty 1 year, charge battery when switch sensor	transmitter & sensor all-in-one	transmitter & sensor all-in-one
Interferences	vitamin C, aspirin	vitamin C	vitamin C	vitamin C	vitamin C	vitamin C	paracetamol, Hydrea	Hydrea	Hydrea	Hydrea	Hydrea	Hydrea	Hydrea	paracetamol, Hydrea	paracetamol, Hydrea	paracetamol, Hydrea	paracetamol, Hydrea	paracetamol, Hydrea	paracetamol, Hydrea
Alarms	no	optional	optional & mandatory urgent low	no	optional (mandatory urgent low in US)	optional (mandatory urgent low in US)	yes	yes	yes	optional	yes	optional	no	yes	yes	yes	yes	yes	yes
Predictive alarms	no	no	no	no	no	no	yes	yes	yes	no	yes	no	no	yes	yes	yes	yes	yes	yes
Size	35x35x5 mm	35x35x5 mm	35x35x5 mm	35x35x5 mm	19x19x3 mm	19x19x3 mm	46x30x15 mm	46x30x15 mm	46x30x15 mm	46x30x15 mm	24x27x5 mm	24x27x5 mm	24x27x5 mm	35x28x7 mm	35x28x7 mm	35x28x7 mm	35x28x7 mm	50% kleiner	50% kleiner
Weight	5 gram	5 gram	5 gram	5 gram	1 gram	1 gram	12 gram	12 gram	12 gram	12 gram	7,5 gram	7,5 gram	7,5 gram	7 gram	7 gram	7 gram	7 gram	4,6 gram	4,6 gram
Water resistance	1 m 30 min	1 m 30 min	1 m 30 min	1 m 30 min	1 m 30 min	1 m 30 min	2,4 m 24 hours	2,4 m 24 hours	2,4 m 24 hours	2,4 m 24 hours	2,4 m 24 hours	2,4 m 24 hours	2,4 m 24 hours	2,4 m 30 min	2,4 m 30 min	2,4 m 30 min	2,4 m 30 min	2,4 m 30 min	2,4 m 30 min
Receiver	yes (reader)	yes (reader)	yes (reader)	yes (reader)	yes (reader)	yes (reader)	yes (receiver)	yes (receiver)	no	yes (receiver)	yes (receiver)	yes (receiver)	no	no	no	no	no	no	no
App	LibreLink	LibreLink	LibreLink	Lingo app (iOS only)	LibreLink	LibreLink	Dexcom G5 Mobile	Dexcom G6 app	Dexcom G6 app	Dexcom ONE app	Dexcom G7 app	Dexcom ONE Plus app	Dexcom Stelo app	MiniMed Mobile	Guardian Connect	MiniMed Mobile	Guardian Connect	Simplera	MiniMed Mobile
Follow app	LibreLinkUp	LibreLinkUp	LibreLinkUp	?	LibreLinkUp	LibreLinkUp	Dexcom Follow	Dexcom Follow	no	no	Dexcom Follow	Dexcom Follow	no	Carelink Connect	Carelink Connect	Carelink Connect	Carelink Connect	Carelink Connect	Carelink Connect
Platform	LibreView	LibreView	LibreView	?	LibreView	LibreView	Clarity	Clarity	Clarity	Clarity	Clarity	Clarity	Clarity	Carelink	Carelink	Carelink	Carelink	Carelink	Carelink
Other	FGM	FGM or CGM depending on country	FGM or CGM depending on country	Not intended for medical use	iCGM	iCGM	CE-label for pregnancy	iCGM, CE-label for pregnancy	blinded or unblinded use	no connection with insulin pumps		no connection with insulin pumps	Intended for people not using insulin			calibration is necessary for start automode	for stand alone use or with InPen	for stand alone use or with InPen	for use with MiniMed 780G

CGM 2/2	GlucoMen Day CGM	Touchcare Slim 14 CGM	Touchcare Nano CGM	Medtrum S9 CGM	(GlucoRX) AiDEX	AiDEX Lite	Glinovo i3	Glinovo p3	Glinovo Flash	Sibionics GS1 CGM	Sibionics KS1 CKM	iCan (TrueVie)	MyGuard CT-14	Anytime CT3	MeiQi RGMS-II	MeiQi RGMS-III	CareSens Air	iFree2 CGM	Eversense E3	Eversense 365
Photo																				
Firm	Waveform (USA)	Medtrum (China)	Medtrum (China)	Medtrum (China)	MicroTech Medical (China)	MicroTech Medical (China)	Infinovo (China)	Infinovo (China)	Infinovo (China)	Sibionics (China)	Sibionics (China)	Sinocare (China)	POCTech, taken over by Yuwell (China)	POCTech, taken over by Yuwell (China)	MeiQi (China)	MeiQi (China)	iSens (South-Korea)	Bionime (Taiwan)	Senseonics (USA)	Sensionics (USA)
Distributor	Menarini (Italy)				GlucoRX (UK)	Intuitive Therapeutics (New Zealand)		GD Medical (the Netherlands)	GD Medical (the Netherlands)				Ascensia (Switzerland)	Ascensia (Switzerland)					Ascensia (Switzerland)	Ascensia (Switzerland)
Available	Discontinued	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes (CE-approved)	Yes (CE-approved)	Yes (CE-label expected 2024)	Yes in China (no CE/FDA-label)	Yes in China (no CE/FDA-label)	Yes (CE-approved)	"CE-label expected 2024"	Yes	2024/2025?
Age limit	≥ 6 years	>2 years	>2 years	>2 years	≥ 14 years	≥ 14 years	>18 years	≥ 2 year	≥ 2 year	≥ 18 year	≥ 18 year	≥ 18 year	≥ 18 years	≥ 14 years	≥ 2 year	≥ 2 year	≥ 19 year	?	>18 years	?
Sensor type	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase	?	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase	glucose oxidase	glucose	?	implantable,	implantable,
Sensor life	14 days	14 days	10-14 days	10-14 days	14 days	10 days	14 days	14 days	14 days	14 days	14 days	15 days	14 days	14 days	15 days	15 days	15 days	15 days	180 days	365 days
Warmup time	<1 hour	2 hours	1 hour	30 minutes	1 hour	1 hour	190 min	2 hours	2 hours	1 hour	1 hour	2 hours	1 hour	1 hour	1 hour	1 hour	2 hours		24 hours	24 hours
Measurements	1x/minute	1x/2 minutes	1x/2 minutes	1x/2 minutes	1x/5 minutes	1x/5 minutes	1x/3 minutes	1x/3 minutes	1x/3 minutes	1x/5 minutes	?	1x/3 minutes	1x/3 minutes	1x/3 minutes	1x/10 sec, data transmission 1x/3 minutes	1x/10 sec, data transmission 1x/3 minutes	1x/5 minutes	1x/minute	1x/5 minutes	1x/5 minutes
MARD	9,70%	9,00%	9,70%	?	9,10%	9,10%	9,40%	10,30%	10,30%	8,80%	?	8,71%	9,60%	9,10%	12,70%	12,70%	10,40%	?	8,50%	9,80%
Insertion place	abdomen, upper arm, lower back	abdomen, upper arm	abdomen, upper arm	abdomen, upper arm	abdomen, upper arm	abdomen, upper arm	abdomen	abdomen	abdomen	upper arm	upper arm	abdomen	abdomen, upper arm	abdomen, upper arm	abdomen, upper arm	abdomen, upper arm	upper arm	upper arm	upper arm	upper arm
Calibrations	1x/2d (1st day 2x/d)	none	none	none	for all treatment decisions	for all treatment decisions	2x/d	none	none	none	none	none	1x/3 days	none	1x/day	1x/day	1x/day (1st day 2x/day)	?	2x/d, from D21 1x/d	1x/week
Transmitter	garanty 5 years, battery charge when switch sensor	garanty 1 year, charge battery when switch sensor	garanty 1 year, charge battery when switch sensor	garanty 1 year, battery does not need to be charged	garanty 4 years, charge battery when switch sensor	garanty 4 years, charge battery when switch sensor	garanty 3 years, charge battery when switch sensor	garanty 3 years, charge battery when switch sensor	garanty 3 years, charge battery when switch sensor	transmitter & sensor all-in-one	transmitter & sensor all-in-one	transmitter & sensor all-in-one	garanty 2 years, uses cell battery	garanty 2 years, charge battery when switch sensor	switch every 2 months	garanty 1 year, charge battery when switch sensor	transmitter & sensor all-in-one	garanty 5 year, charge battery when switch sensor	garanty 1 year, charge daily	garanty 1 year, charge daily
Interferences	none	few	few	not specified	not specified	not specified	paracetamol	paracetamol	paracetamol	?	?	no	few	few	not specified	not specified	not specified	?	mannitol, sorbitol, tetracycline	?
Alarms	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	?	yes	yes	yes	yes	yes	yes	yes	yes	yes
Predictive alarms	yes	yes	yes	yes	no	no	yes	yes	yes	no	no	no	yes	yes	no	no	no	no	yes	yes
Size	33x24x9 mm	36x19x12 mm	28x18x5 mm	?	35x21x9 mm	35x21x9 mm	33x19x4 mm	33x19x4 mm	33x19x4 mm	34x20x5 mm	34x20x5 mm	32x32x6 mm	?	46x23x11 mm	26x30x? mm	26x30x? mm	35x19x5 mm	?	38x48x9 mm (transmitter) 18x4x4 mm (sensor)	38x48x9 mm (transmitter) 18x4x4 mm (sensor)
Weight	5 gram	5 gram	5 gram	?	5,5 gram	5,5 gram	4 gram	4 gram	4 gram	4 gram	4 gram	?	8 gram	6 gram	?	?	5 gram	?	11 gram (transmitter)	11 gram (transmitter)
Water resistance	1 m 30 min	2,5 m 60 min	2,5 m 60 min	?	1 m 30 min	1 m 30 min	1 m 30 min	1 m 30 min	1 m 30 min	1 m 60 min	1 m 60 min	2,5 m 2 hours	1 m 30 min	2,5 m 60 min	1 m 30 min	1 m 30 min	1 m 24 hours	?	1 m 30 min	1 m 30 min
Receiver	no	no	yes (PDM)	yes (PDM)	yes (PDA)	no	no	no	no	no	no	no	yes	yes	yes	yes	yes	?	no	no
App	GlucoMen Day CGM	EasySense	EasySense	EasySense	(GlucoRx) Aidex	Aidex + direct to Apple watch	Glinovo App	Glinovo App	Glinovo App	SIBIONICS-app	SiBio CKM	iCan app	POCTech-app	AnytimeWell	MC CGM app	MC CGM app	CareSense Air User App	Rightest CARE	Eversense Mobile app	Eversense Mobile app
Follow app	GlucoLog T3	EasyFollow	EasyFollow	EasyFollow	yes	yes	GN-Share App + GN-Carer app	GN-Share App + GN-Carer app	no	yes	?	iCan reach app	AnytimeFollow	AnytimeFollow	Meiqi doctor app	Meiqi doctor app	yes	Rightest CARE Partner	Eversense NOW	Eversense NOW
Platform	GlucoLog Web	EasyView Web	EasyView Web	EasyView Web	GlucoRX Voyager	GlucoRX Voyager	Glinovo Webportal	Glinovo Webportal	Glinovo Webportal	?	?	?	POCTech Cloud	Glooko	AiSugar Cloud Platform	AiSugar Cloud Platform	Sense365	Diabetes Management System	Eversense DMS	Eversense DMS
Other	insertion without needle					Direct to watch capability			Flash glucose monitor (FGM)		Continuous ketone monitor (CKM), not for medical purpose		additional electrodes to prevent interference	additional electrodes to prevent interference	uses 3 steel sensor needles	uses 3 steel sensor needles			On-body vibratory alerts	
Link	Link	Link	Link	Link	Link	Link	Link	Link	Link	Link	Link	Link	Link	Link	Link	Link	Link	Link	Link	