

DIABETES
balance

MEDS & KIT

the *Diabetes Balance* guide to the diabetes meters, medications, pens and pumps available in the UK, 2017

FULL SPEC

METERS ● MEDS
PENS ● PUMPS

PLUS

A LOOK AT THE
NEW GLUCOSE
PROFILES



BLOOD GLUCOSE METERS IN PICTURES



DIABETES UK

NEW

Seeing how everyday activities
affect my blood glucose.
That's illuminating.

Diabetes management is about to be seen in a new light. The CONTOUR®NEXT ONE smart meter seamlessly connects to the CONTOUR®DIABETES App to capture remarkably accurate blood glucose readings. This new system allows you to easily log daily activities to help you understand how they affect your blood glucose and manage your diabetes, smarter.



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next ONE™

Blood Glucose
Monitoring System



Order the CONTOUR®NEXT ONE meter for FREE*
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HELLO...

We're pleased to present Meds & Kit, 2017. Here, you'll find all the main glucose meters, insulins and other medications, pens and pumps that will help you manage your diabetes. We've tried to keep it as simple as possible, as we know looking after diabetes can be complicated enough. We list all the products currently available in the UK, with their specs.

We do hope that you will find this new supplement useful.

Diabetes UK, 126 Back Church Lane, London E1 1FH
Email: balance@diabetes.org.uk

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EDITOR'S NOTE
The product information in this guide has been provided by manufacturers, and we have made every effort to make sure it is accurate at the time of going to press. Listings are for information only, and Diabetes UK cannot recommend or endorse any specific products for diabetes care.



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MANUFACTURER		METER	STRIP/TEST CASSETTE REQUIRED	SAMPLE VOLUME (µL)	TIME FOR TEST (SECS)	BLOOD GLUCOSE RANGE (MMOL/L)
Abbott Diabetes Care		01 FreeStyle Freedom Lite	FreeStyle Lite Test Strips	0.3	5 (average)	1.1–27.8
		02 FreeStyle InsuLinx	FreeStyle Lite Test Strips	0.3	5 (average)	1.1–27.8
		03 FreeStyle Optium Neo	FreeStyle Optium Blood Glucose Test Strips	0.6	5	1.1–27.8
AgaMatrix Europe Ltd		04 WaveSense JAZZ <small>(Free cable for results download to Zero-click Data Management Software)</small>	WaveSense JAZZ & DUO Test Strips	0.5	5 (minimum)	1.1–33.3
		05 WaveSense JAZZ WIRELESS <small>(automatic download to free AgaMatrix Diabetes Manager app via Bluetooth)</small>	WaveSense JAZZ & DUO Test Strips	0.5	5 (minimum)	1.1–33.3
Arctic Medical		06 IME-DC	IME-DC Test Strips	2.0	10	1.1–33.3
Ascensia Diabetes Care		07 CONTOUR NEXT ONE <small>(seamlessly connects to CONTOUR diabetes app)</small>	CONTOUR NEXT Test Strips	0.6	5	1.1–33.3
		08 CONTOUR NEXT	CONTOUR NEXT Test Strips	0.6	5	0.6–33.3
		09 CONTOUR NEXT USB	CONTOUR NEXT Test Strips	0.6	5	1.1–33.3
		10 CONTOUR NEXT LINK <small>(allows wireless transfer of glucose results to compatible Medtronic pumps)</small>	CONTOUR NEXT Test Strips	0.6	5	1.1–33.3
		11 CONTOUR NEXT LINK 2.4 <small>(allows wireless transfer of glucose results to Medtronic 640G pump)</small>	CONTOUR NEXT Test Strips	0.6	5	1.1–33.3
		12 CONTOUR XT	CONTOUR NEXT Test Strips	0.6	5	0.6–33.3
		13 CONTOUR TS	CONTOUR TS Test Strips	0.6	5	0.6–33.3
		14 CONTOUR	CONTOUR Test Strips	0.6	5	0.6–33.3
B Braun Medical Ltd		15 Omnitest 3	Omnitest 3 Blood Glucose Test Strips	0.3	3	0.6–33.3
		16 Omnitest 5	Omnitest 5 Blood Glucose Test Strips	0.5	5	0.6–33.3
Cambridge Sensors Ltd		17 Microdot+*	Microdot+ Test Strips	0.6	10	1.1–29.2
GlucoRx Ltd		18 GlucoRx Nexus TD-4277**	GlucoRx Nexus Test Strips	0.5	5	1.1–33.3
		19 GlucoRx Nexus Mini TD-4287**	GlucoRx Nexus Test Strips	0.5	5	1.1–33.3
		20 GlucoRx Nexus Voice TD-4280**	GlucoRx Nexus Test Strips	0.5	5	1.1–33.3
		21 GlucoRx GO**	GlucoRx Nexus Test Strips	0.5	5	1.1–33.3
		22 GlucoRx HCT & Ketone^^ <small>† Ketone test only</small>	GlucoRx HCT Glucose & GlucoRx HCT Ketone Test Strips	1.0 (glucose) 1.0 (ketones)	5 (glucose) 10 (ketones)	0.5–35 (glucose) 0.1–8.0 (ketones)
		23 GlucoRx HCT Connect^^ <small>† Ketone test only</small>	GlucoRx HCT Glucose & GlucoRx HCT Ketone Test Strips	1.0 (glucose) 1.0 (ketones)	5 (glucose) 10 (ketones)	0.5–35 (glucose) 0.1–8.0 (ketones)
VivaChek		24 VivaChek Ino^^	VivaChek Ino Test Strips	0.5	5	0.6–33.3
LifeScan		25 OneTouch Verio Flex & OneTouch Reveal App	OneTouch Verio Test Strips	0.4	5	1.1 -33.3
		26 OneTouch Verio	OneTouch Verio Test Strips	0.4	5	1.1–33.3
		27 OneTouch VerioIQ	OneTouch Verio Test Strips	0.4	5	1.1–33.3
		28 OneTouch Select Plus	OneTouch Select Plus Test Strips	1.0	5	1.1 -33.3

 Suitable for peritoneal dialysis
  Suitable for alternative site testing
  Includes integrated finger pricker
  Can test for ketones
 ^ battery replaced free of charge
 * GDH-NAD technology ** GDH-FAD technology ^^ Haematocrit correction technology

CALIBRATION	BATTERY LIFE	NUMBER OF TESTS STORED WITH DATE AND TIME	LENGTH X WIDTH X DEPTH (CM)
No coding required	1,000 tests	400 (7-, 14- & 30-day averages)	8.4 x 5.1 x 1.6
No coding required	Up to 3,000 tests	Up to 165 days based on an average of 3 tests and 3 insulin logs per day	9.5 x 6.0 x 1.5
No coding required	3,000 tests	1,000 (7-, 14- & 30-day averages)	8.6 x 5.9 x 0.8
No coding required	1,000 tests [^]	1,865 (14-, 30- & 90-day averages & pre- and post-meal averages with standard deviation)	8.4 x 4.5 x 2.0
No coding required	1,000 tests [^]	300 on the meter, unlimited test storage with the app (7-, 14, 30- & 60-day averages). Share your results.	6.5 x 3.0 x 1.0
Each pack of strips has a code key	1,000 tests [^]	100	8.8 x 6.2 x 2.2
No coding required	1,000 tests [^]	800 on meter; 1000 tests or 100 days, whichever is sooner, on the app. Unlimited up to 8 years storage on the Countour CLOUD (7-, 14-, 30- & 90-day averages)	9.7 x 2.8 x 1.5
No coding required	1,000 tests [^]	800 (7-, 14- & 30-day averages & pre-/post-meal marking)	8.0 x 5.3 x 1.2
No coding required	Rechargeable battery	2,000 (glucose or insulin/carb units) (7-, 14-, 30- & 90-day averages & pre-/post meal marking)	9.7 x 3.1 x 1.6
No coding required	Rechargeable battery	1,000 test memory (7-, 14-, 30- & 90-day averages)	9.7 x 3.1 x 1.6
No coding required	Rechargeable battery	1,000 test memory (7-, 14-, 30- & 90-day averages)	9.7 x 3.1 x 1.6
No coding required	1,000 tests [^]	480 (7-, 14- & 30 day averages)	7.7 x 5.7 x 1.6
No coding required	1,000 tests [^]	250 test results (14-day averages)	7.1 x 6.0 x 1.9
No coding required	1,000 tests [^]	480 test results (7-, 14- & 30-day averages)	7.7 x 5.7 x 1.9
No coding required	Minimum 3,000 tests [^]	500	8.3 x 5.6 x 1.8
No coding required	Minimum 3,000 tests [^]	500	7.5 x 4.1 x 1.5
No coding required	500 tests [^]	500 (14-day average)	8.0 x 6.3 x 1.3
No coding required	1,000 tests [^]	1,000 (7-, 14-, 21-, 28-, 60- & 90-day averages)	9.6 x 6.1 x 2.6
No coding required	1,000 tests [^]	1,000 (7-, 14-, 21-, 28-, 60- & 90-day averages)	10.34 x 2.81 x 1.51
No coding required	1,000 tests [^]	450 (7-, 14-, 21-, 28-, 60- & 90-day averages)	9.5 x 5.2 x 2.0
No coding required	500 tests [^]	999	4.4 x 3.9 x 2.4
Simple coding only for ketone test	1,000 tests [^]	1,000 (7-,14-,21-,28, 60- & 90-day averages)	9.6 x 6.1 x 2.6
Simple coding only for ketone test	Unlimited tests stored on Smart phone [^]	Unlimited tests stored on Smart phone (7-, 14- & 30-day averages stored on GlucoRx HCT app)	5.1 x 3.0 x 1.1
No coding required	1,000 tests [^]	900 (7-, 14- & 30-day averages)	8.2 x 5.0 x 1.5
Automatic, No coding required	1,000 tests	500 test result memory with date and time	8.6 x 5.2 x 1.6
Automatic, no coding required	1,000 tests	500 (7-, 14-, 30- & 90-day averages)	8.0 x 5.18 x 2.52
Automatic, no coding required	1–2 weeks before recharging is required. 60 second rapid charge	750 (7-, 14-, 30- & 90-day averages & pre-/post-meal tagging)	8.79 x 4.70 x 1.19
Automatic, No coding required	1000 tests	500 (7-, 14-, 30- and 90-Day Averages). Pre and Post meal tagging	10.1 x 4.3 x 1.56

MANUFACTURER		METER	STRIP/TEST CASSETTE REQUIRED	SAMPLE VOLUME (μL)	TIME FOR TEST (SECS)	BLOOD GLUCOSE RANGE (MMOL/L)
Menarini Diagnostics		29 GlucoMen GM	Glucomen GM Sensors	0.5	7	0.6–33.3
		30 GlucoMen LX PLUS and GlucoMen LX2	Glucomen LX Sensors and Glucomen LX Ketone Sensors	0.3 0.8 (ketones)	4 10 (ketones)	1.1–33.3 0.1–8.0 (ketones)
		31 GlucoMen Areo	Glucomen Areo Sensors	0.5	5	1.1–33.3
Mendor Ltd		32 Mendor Discreet	Mendor Discreet Test Strip Cartridge	0.5	5	1.1–33.3
Trividia Health		33 TRUResult	TRUResult Test Strips	0.5	as fast as 4	1.1–33.3
		34 TRUResult twist	TRUResult Test Strips	0.5	as fast as 4	1.1–33.3
		35 TRUEyou mini	TRUEyou Test Strips	0.5	as fast as 4	1.1–33.3
		36 TRUEyou	TRUEyou Test Strips	0.5	as fast as 4	1.1–33.3
		37 TRUResult twist2	TRUEyou Test Strips	0.5	as fast as 4	1.1–33.3
		38 TRUE METRIX	TRUE METRIX Test Strips	0.5	as fast as 4	1.1–33.3
		39 TRUE METRIX AIR	TRUE METRIX Test Strips	0.5	as fast as 4	1.1–33.3
		40 TRUE METRIX GO	TRUE METRIX Test Strips	0.5	as fast as 4	1.1–33.3
Roche Diabetes Care		41 Accu-Chek Mobile	Mobile Test Cassette	0.3	5 (approx)	0.6–33.3
		42 Accu-Chek Aviva	Aviva Test Strips	0.6	5	0.6–33.3
		43 Accu-Chek Performa Nano	Performa Test Strips	0.6	5	0.6–33.3
		44 Accu-Chek Aviva Expert	Aviva Test Strips	0.6	5	0.6–33.3
		45 Accu-Chek Active	Active Test Strips	1–2	Approx 5 (test strip in meter) / 8 (test strip outside meter)	0.6–33.3
Sanofi		46 BGStar	BGStar Blood Glucose Test Strips	0.5	5 (average)	1.1–33.3
		47 My Star Extra	BGStar Blood Glucose Test Strips	0.5	5 (average)	1.1–33.3
Spirit Healthcare		48 CareSens N	CareSens N Test Strips	0.5	5	1.1–33.3
		49 CareSens N POP	CareSens N Test Strips	0.5	5	1.1–33.3
		50 CareSens N Voice	CareSens N Test Strips	0.5	5	1.1–33.3
		51 TEE2	TEE2 Test Strips	0.5	5	1.1–33.3
		52 CareSens Dual	CareSens PRO and KetoSens Ketone Test Strips	0.4	5	1.1–33.3
Ypsomed Ltd		53 mylife Pura	mylife Pura Test Strips <small>(side loading)</small>	1	5	0.6–33.3
		54 mylife Unio	mylife Unio Test Strips <small>(side loading)</small>	0.7	5	0.6–33.3

CALIBRATION	BATTERY LIFE	NUMBER OF TESTS STORED WITH DATE AND TIME	LENGTH X WIDTH X DEPTH (CM)
No coding required	2,000 tests [^]	250 (14- & 30-day averages)	8 x 6.5 x 1.3
No coding required	1,000 tests [^]	400 (1-, 7-, 14- & 30-day averages)	5.8 x 9.8 x 1.7
No coding required	1,000 tests [^]	730 (1-, 7-, 14-, 30-, 60- & 90-day averages)	8.5 x 5.6 x 1.8
No coding required	1,000 tests [^]	500 (for fast and discreet measuring, from pocket to pocket in less than 20 seconds)	10.8 x 6 x 2.1
Automatic, no coding required	2,146 tests [^]	500 and one control result (7-, 14- & 30-day averages)	8.9 x 5.5 x 1.7
Automatic, no coding required	1,500 tests [^]	99	4.3 x 3.7 x 2.3
Automatic, no coding required	2,146 tests [^]	500 and one control result (7-, 14- & 30-day averages)	8.5 x 3.2 x 1.3
Automatic, no coding required	2,146 tests [^]	500 and one control result (7-, 14- & 30-day averages)	8.9 x 5.5 x 1.7
Automatic, no coding required	1,500 tests [^]	500 (7-, 14- & 30-day averages)	4.3 x 3.7 x 2.3
Automatic, no coding required	1,000 tests [^]	500 and one control result (7-, 14- & 30-day averages)	8.7 x 5.5 x 1.7
Automatic, no coding required	1,000 tests [^]	1,000 and one control result (7-, 14-, 30-, 60- & 90-day averages)	8.7 x 5.5 x 1.7
Automatic, no coding required	1,000 tests [^]	500 (7-, 14- & 30-day averages)	4.1 x 3.5 x 2.2
No coding required	500 tests or 1 year approximately [^]	2000 (7-, 14-, 30- & 90-day averages)	12.1 x 6.3 x 2 (including finger pricker)
No coding required	Approximately 1,000 tests or 1 year with 3 tests a day	500 (7-, 14-, 30- & 90-day & pre-/post-meal averages)	9.4 x 5.2 x 2.1
Pre-coded – no manual coding required	500 tests or 1 year approximately [^]	500 (7-, 14-, 30- & 90-day & pre-/post-meal averages)	6.9 x 4.3 x 2.0
Pre-coded – no manual coding required	Varies depending on usage of different features [^]	1,000 (7-, 14-, 30- & 90-day averages) can be displayed as colour graphs and charts on meter screen)	9.4 x 5.5 x 2.5
Auto coding by inserting a code chip	Approximately 1,000 tests or 1 year [^]	500 (date/time, 7-, 14-, 30- & 90-day averages)	9.8 x 4.7 x 1.9
Automatic, no coding required	2 x lithium coin batteries	1,865	8.6 x 4.6 x 1.6
Automatic, no coding required	2 x lithium coin batteries	1,865	9.0 x 5.1 x 1.7
No coding required	5,000 tests [^]	1,000 (1-, 7-, 14-, 30- & 90-day & pre-/post-meal averages)	9.3 x 4.7 x 1.5
No coding required	1,000 tests [^]	1,000 (1-, 7-, 14-, 30- & 90-day & pre-/post-meal averages)	9.5 x 3.3 x 1.9
No coding required	1,000 tests [^]	500 (1-, 7-, 14-, 30- & 90-day & pre-/post-meal averages)	9.9 x 5.6 x 1.9
No coding required	1,000 tests [^]	500 (1-, 7-, 14-, 30- & 90-day & pre-/post-meal averages)	9.0 x 4.9 x 1.5
No coding required	1,000 tests [^]	1,000 (1-, 7-, 14-, 30- & 90-day & pre-/post-meal averages)	10.6 x 5.8 x 1.7
No coding required	Approx 1,000 tests [^]	500 (7-, 14-, 30-, & 90-day average)	9.1 x 4.6 x 1.7
No coding required	600 tests [^]	Up to 1,000 (7-, 14-, 30-, 60- & 90-day averages)	7.1 x 3.9 x 1.4

Ask your diabetes healthcare team to advise you on choosing a blood glucose meter that is right for you



01 FreeStyle Freedom Lite
Abbott Diabetes Care



02 FreeStyle InsuLink
Abbott Diabetes Care



03 FreeStyle Optium Neo
Abbott Diabetes Care



04 WaveSense JAZZ
AgaMatrix Europe Ltd



05 WaveSense JAZZ WIRELESS
AgaMatrix Europe Ltd



06 IME-DC
Arctic Medical



07 CONTOUR NEXT ONE
Ascensia Diabetes Care



08 CONTOUR NEXT
Ascensia Diabetes Care



09 CONTOUR NEXT USB
Ascensia Diabetes Care



10 CONTOUR Next Link
Ascensia Diabetes Care



11 CONTOUR Next Link 2.4
Ascensia Diabetes Care



12 CONTOUR XT
Ascensia Diabetes Care



13 CONTOUR TS
Ascensia Diabetes Care



14 CONTOUR
Ascensia Diabetes Care



15 Omnitest 3
B Braun Medical Ltd



16 Omnitest 5
B Braun Medical Ltd



17 Microdot+
Cambridge Sensors



18 GlucoRx Nexus TD-4277
GlucoRx Ltd



19 GlucoRx Nexus Mini TD-4287
GlucoRx Ltd



20 GlucoRx Nexus Voice TD-4280
GlucoRx Ltd



21 GlucoRx GO
GlucoRx Ltd



22 GlucoRx HCT & Ketone
GlucoRx Ltd



23 GlucoRx HCT Connect
GlucoRx Ltd



24 VivaChek Ino
VivaChek



25 OneTouch Verio Flex & OneTouch Reveal App
LifeScan



26 OneTouch Verio LifeScan



27 OneTouch VerioQ
LifeScan



28 OneTouch Select Plus
LifeScan



29 GlucoMen GM
Menarini Diagnostics



30 GlucoMen LX Plus
and GlucoMen LX2
Menarini Diagnostics



31 GlucoMen Areo
Menarini Diagnostics



32 Mendor Discreet
Mendor



33 TRUEresult
Trividia Health



34 TRUEresult twist
Trividia Health



35 TRUEyou mini
Trividia Health



36 TRUEyou
Trividia Health



37 TRUEresult twist2
Trividia Health



38 TRUE METRIX
Trividia Health



39 TRUE METRIX AIR
Trividia Health



40 TRUE METRIX GO
Trividia Health



41 Accu-Chek Mobile
Roche Diabetes Care



42 Accu-Chek Aviva
Roche Diabetes Care



43 Accu-Chek Performa
Nano
Roche Diabetes Care



44 Accu-Chek Aviva
Expert
Roche Diabetes Care



45 Accu-Chek Active
Roche Diabetes Care



46 BGStar
Sanofi



47 My Star Extra
Sanofi



48 CareSens N
Spirit Healthcare



49 CareSens N POP
Spirit Healthcare



50 CareSens N Voice
Spirit Healthcare



51 TEE2
Spirit Healthcare



52 CareSens Dual
Spirit Healthcare



53 mylife Pura
Ypsomed



54 mylife Unio
Ypsomed

GET INVOLVED

DiABETES UK

BECOME A MEMBER

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Join today and receive information and support to help you manage your diabetes. Your membership will also help fund ongoing research and support for everyone affected by diabetes.

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VOLUNTEER

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Whether you can spare an hour a month or a day a week, there are many ways that you can make a difference at Diabetes UK.

RAISE FUNDS

www.diabetes.org.uk/fundraising

There are many ways you can raise funds or give to Diabetes UK. Visit our website to find out how you can help us to improve the lives of people with diabetes.

CALL OUR HELPLINE

0345 123 2399*

Specialist information and advice on all aspects of living with diabetes. Get in touch for answers, support, or just to talk.

GET SUPPORT FROM PEERS

forum.diabetes.org.uk

Our online community where people living with any type of diabetes can share experiences, ask questions, and get information and advice.

JOIN A LOCAL GROUP

volunteering@diabetes.org.uk

Our local support groups offer the chance to share experiences with others in your area and keep up to date with our work.

GO ONLINE

www.diabetes.org.uk

Our website offers information on all aspects of diabetes and access to our activities and services. Our Facebook  and Twitter  communities provide support and a chance to talk to others.

*Calls to 0345 numbers cost no more than calls to geographic (01 and 02) numbers and must be included in inclusive minutes on mobile phones and discount schemes. Calls from landlines are typically charged between 2p and 10p per minute while calls from mobiles typically cost between 10p and 40p per minute. Calls from landlines and mobiles to 0345 numbers are included in free call packages. Calls may be recorded for quality and training purposes.

GET SUPPORT

AMBULATORY GLUCOSE PROFILING

The latest diabetes monitoring technology generates a mass of glucose data. Ambulatory glucose profiling is a great tool for making sense of it all and improving diabetes management



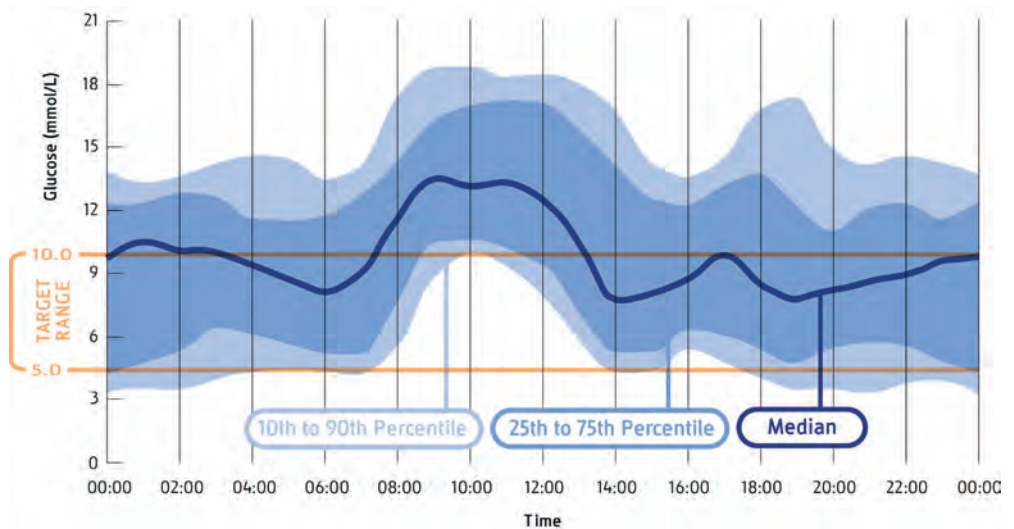
Q What is ambulatory glucose profiling?

Ambulatory glucose profiling (AGP) takes the data from either continuous glucose monitoring (CGM) or flash glucose monitoring (FlashGM) systems, using a piece of software, and turns them into an easy-to-understand graph or profile (See Figure 1). Essentially, AGP averages the glucose readings from several days into an 'average' day. It makes it easy to see trends and patterns in your glucose readings, like nighttime hypos and higher than expected glucose after a meal.

Q What is the difference between CGM and FlashGM?

Both CGM and FlashGM use a sensor that measures the glucose levels in the interstitial fluid between the cells in tissue below the skin. This is different from the traditional finger prick glucose testing, which measures glucose levels in the blood. While both CGM and FlashGM measure glucose levels continuously, you can only read your FlashGM when the sensor is scanned. Both systems download glucose data onto a computer where an AGP can be produced if the software has been installed, while

Figure 1



AGP-like reports can be produced and emailed if you use the LibreLink android app with the FreeStyle Libre sensor.

Q What are the advantages of AGP for my diabetes management?

The AGP is a great tool for helping you understand your diabetes better. For instance, it shows how long you spend each day in target glucose range and how your daily routine affects your glucose control. One particular advantage of the AGP is how it reveals 'hidden hypos', which you might not have recorded or even been aware of. These hypos can affect your health long term and may also have an impact on your day-to-day life. Identifying them can help you and your diabetes team fine-tune your treatment and lifestyle to reduce these hypos.

Many people with diabetes worry that increasing their insulin dose will increase the risk of a hypo occurring, particularly at night. If the AGP shows that glucose levels are fairly stable, then insulin can be increased with confidence. If there is a lot of variability, then you and your team might want to discuss ways of stabilising your patterns. This is worthwhile, because glucose variability may be as important – if not more important – than HbA1c in predicting the future risk of complications.

Q Is AGP generally available yet?

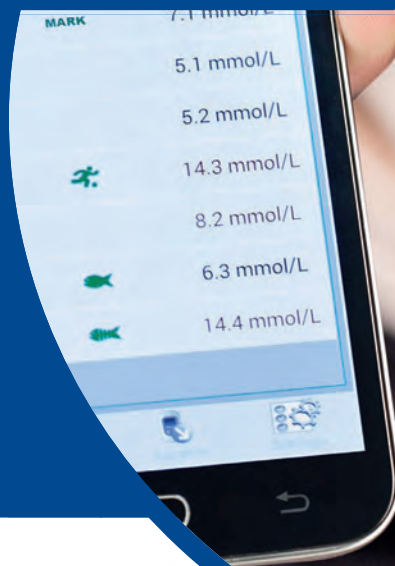
No. The National Institute for Health and Care Excellence hasn't yet done a formal appraisal of CGM or FlashGM. So it can't recommend the NHS provides AGP to everyone who might benefit because it depends on these technologies. Some people with diabetes will have a CGM system from their local NHS authority or from the company that makes the system. Many have bought themselves a FreeStyle Libre online. If you have either of these already, then you could use AGP to help manage your diabetes – talk to your diabetes team.



NEW

QUALITY you can trust

QuickLink™
Download to
Free App



- Stylish and Easy to Use
- The Finest Ultra-Thin Lancet
- Accuracy Exceeding all International Standards
- Automatic Download to Smartphone App

GlucoMen®
AREO



30 YEARS IN DIABETES CARE

Fully supported by a free UK based helpline

TO APPLY FOR A FREE UPGRADE VISIT: www.glucomen.co.uk/areoupgrade

Or call: **0800 243667 (0118 9444128)** Quoting ref: AD9

GENERIC NAME	TRADE NAME	DOSAGE SIZE/STRENGTH	MIN-MAX DAILY DOSE
BIGUANIDES			
Metformin	Glucophage	500mg, 850mg	500–3,000mg
	Metformin Oral solution	500mg per 5ml	500–3,000mg
Metformin prolonged release	Glucophage SR	500mg, 750mg, 1,000mg	500–2,000mg
SULPHONYLUREAS			
Glibenclamide	Glibenclamide	2.5mg, 5mg	2.5–15mg
Gliclazide	Diamicon	80mg	40–320mg
	Diamicon MR	30mg	30–120mg
Glimepiride	Amaryl	1mg, 2mg, 3mg, 4mg	1–6mg
Glipizide	Minodiab	5mg	5–20mg
Tolbutamide	Tolbutamide	500mg	500–2,000mg
PRANDIAL GLUCOSE REGULATORS			
Nateglinide	Starlix	60mg, 120mg, 180mg	60–540mg
Repaglinide	Prandin	0.5mg, 1mg, 2mg	0.5–16mg
ALPHA-GLUCOSIDASE INHIBITORS			
Acarbose	Glucobay	50mg, 100mg	50–600mg
THIAZOLIDINEDIONES (GLITAZONES)			
Pioglitazone	Actos	15mg, 30mg, 45mg	15–45mg alone, or in dual or triple therapy, or with insulin
INCRETIN MIMETICS (GLP-1 RECEPTOR AGONISTS)			
Exenatide	Byetta	5mcg, 10mcg (injection pens)	10–20mcg
Liraglutide	Victoza	Injection pen: selection of 0.6mg, 1.2mg, 1.8mg	0.6mg starting dose, then 1.2mg, then 1.8mg
Dulaglutide	Trulicity	0.75mg, 1.5mg in prefilled pens & syringes	weekly 0.75mg (monotherapy) 1.5mg (add-on)
Albiglutide	Eperzan	30mg powder plus solvent for injection	weekly 30mg

WHEN TAKEN	TIMES PER DAY	POSSIBLE SIDE EFFECTS (MOST COMMON LISTED FIRST)*
With or after food	2–3 times	All forms of metformin have the same possible side effects: nausea, vomiting, abdominal pain, diarrhoea, anorexia/loss of appetite, metallic taste (these often wear off after initial stages of treatment), allergic skin reactions, build-up of lactic acid in the blood, reduced absorption of vitamin B12, liver function problems. Prolonged-release formulation may improve tolerance. Products listed below containing metformin may also have these side effects.
During or after meals	2–3 times	
With, or after, evening meals if once. Breakfast and evening meal if twice. Swallow whole	Once (dose can be split if not tolerated or glycaemic control still inadequate)	
With or immediately after breakfast or first main meal of the day	Once	Hypoglycaemia. Nausea, vomiting, heartburn, anorexia, diarrhoea, metallic taste, increased appetite, weight gain. Allergic skin reactions, sensitivity to light. Blood disorders, water retention, hyponatraemia, liver function problems.
According to the main meals of the day	Twice	Hypoglycaemia. Liver function problems. Nausea, indigestion/heartburn, diarrhoea, constipation, abdominal pain, vomiting, metallic taste, increased appetite, weight gain. Headache, allergic skin reactions. Blood disorders, water retention, hyponatraemia.
Take with water at breakfast. Swallow whole	Once	
Shortly before or with first main meal	Once	Hypoglycaemia. Nausea, vomiting, diarrhoea, abdominal pain, bloating, liver function problems. Blood disorders. Allergic skin reactions. Hyponatraemia, jaundice. Sensitivity to light, visual disturbances, Allergic reactions.
Before food	1–2 times	Hypoglycaemia. Dizziness, drowsiness, headache, tremor, visual disturbances. Jaundice, liver function problems. Nausea, diarrhoea, constipation, abdominal pain. Confusion, blood disorders. Sensitivity to light, allergic skin reactions.
With or immediately after food	1–3 times	Hypoglycaemia. Nausea, vomiting, diarrhoea, constipation, loss of appetite, weight gain. Liver function problems, blood disorders. Allergic skin reactions, headache, jaundice. Tinnitus, tingling, increased sensitivity to light, intolerance to alcohol, allergic reactions.
Up to 30 minutes before meals	Up to 3 times	Hypoglycaemia. Allergic skin reactions. Liver function problems, gastrointestinal complaints (eg abdominal pain, indigestion, diarrhoea). Headache. Respiratory infections.
Usually within 15 minutes prior to main meals, but up to 30 minutes before	Up to 4 times	Hypoglycaemia. Abdominal pain, diarrhoea. Cardiovascular disease. Allergic reactions. Vomiting, constipation. Visual disturbances, abnormal liver function, increased liver enzymes, nausea, hypersensitivity.
Chewed with first mouthful of food, or swallowed whole with water directly before	3 times	Flatulence, diarrhoea, gastrointestinal and abdominal pain, nausea, vomiting, indigestion, increase in liver enzymes, jaundice. Oedema, thrombocytopenia. Allergic reactions (rash, erythema, exanthema, urticaria).
With or without food	Once	Visual disturbance, weight gain, upper respiratory tract infection. Numbness, increased risk of distal bone fractures in women. Insomnia, sinusitis, liver function problems. In combination with other antidiabetic medicines: oedema, heart failure, joint pain, anaemia, erectile dysfunction, blood in urine, flatulence, dizziness, bronchitis, headache. Appetite increase, vertigo, heart failure, sweating, glucose in urine, protein in urine, blood creatinine phosphokinase increase, hypoglycaemia, back pain, shortness of breath.
Within 60 minutes prior to the two main meals of the day, approx 6 hours apart	Twice	Nausea, hypoglycaemia (in combination with sulphonylureas), vomiting, diarrhoea, dizziness. Headache, decreased appetite, feeling jittery. Abdominal pain, bloating, indigestion, sweating, weakness, heartburn. Injection-site reactions, skin and general allergic reactions.
Once a day, at any time, independent of meals, around same time of day	Once	Gastrointestinal adverse reactions (including nausea, vomiting, diarrhoea). Risk of hypoglycaemia (in combination with sulphonylureas or a basal insulin), nasopharyngitis, bronchitis. Decreased appetite, headache, dizziness, constipation, abdominal discomfort.
Any time, with/without meals	Weekly	Gastrointestinal adverse reactions (including nausea, vomiting)
Any time, with/without meals	Weekly	Gastrointestinal adverse reactions (including nausea, vomiting)

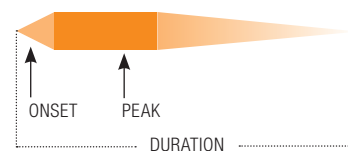
GENERIC NAME	TRADE NAME	DOSAGE SIZE/STRENGTH	MIN-MAX DAILY DOSE
INCRETIN MIMETICS (GLP-1 RECEPTOR AGONISTS)			
Exenatide prolonged-release	Bydureon	2mg (powder/solvent for prolonged-release, suspension for injection)	2mg once weekly
Lixisenatide	Lyxumia	10mcg, 20mcg (fixed-dose injection pens)	10mcg once daily for 14 days, then 20mcg once daily maintenance dose from day 15 onwards
SGLT-2 INHIBITORS			
Canagliflozin	Invokana	100mg, 300mg	100mg monotherapy/add on, increasing to 300mg for tighter glycaemic control. If eGFR drops below 60 ml/min/1.73m ² use 100mg; discontinue if <45
Dapagliflozin	Forxiga	5mg, 10mg	10mg for monotherapy and add-on combination therapy with other glucose-lowering medicinal products. 5mg for people with severe hepatic impairment, increasing to 10mg if well tolerated. Discontinue if eGFR < 60 ml/min/1.73m ²
Empagliflozin	Jardiance	10mg, 25mg	Initiate with 10mg; titrate to 25mg if tighter glycaemic control needed (and if eGFR is 60ml/min/1.73m ²). If eGFR<60, use 10mg, discontinue if <45. Monotherapy or add-on.
DPP-4 INHIBITORS			
Saxagliptin	Onglyza	2.5mg, 5mg	5mg alone or in dual or triple therapy, or with insulin (reduce to 2.5mg in moderate or severe renal impairment)
Alogliptin	Vipidia	6.25mg, 12.5mg, 25mg	25mg w. metformin/thiazolidinedione/sulphonylurea/insulin or triple therapy w. metformin & thiazolidinedione/sulphonylurea/insulin. 12.5/6.25mg in moderate/severe renal disease
Linagliptin	Trajenta	5mg	5mg alone, or with metformin, or with sulphonylurea and metformin, or with insulin
Sitagliptin	Januvia	100mg, 50mg, 25mg	100mg alone, or in dual or triple therapy, or add on to insulin
Vildagliptin	Galvus	50mg	100mg, as monotherapy, in combination with metformin, metformin and a sulphonylurea, thiazolidinedione, or with insulin (with or without metformin); 50mg with a sulphonylurea [moderate/severe renal disease/ESRD 50mg daily]
COMBINED FORMULATION MEDICATIONS			
Pioglitazone + metformin	Competact	15mg/850mg	2 x 15mg/850mg tablet
Vildagliptin + metformin	Eucreas	50mg/850mg, 50mg/1,000mg. Also licensed as triple therapy with a sulphonylurea or insulin	2 x 50mg/850mg–50mg/1,000mg
Sitagliptin + metformin	Janumet	50mg/1,000mg	2 x 50mg/1,000mg
Saxagliptin + metformin	Komboglyze	2.5mg/850mg, 2.5mg/1,000mg	2 x 2.5mg/850mg–2.5mg/1,000mg
Alogliptin + metformin	Vipdomet	12.5mg/1,000mg	2 x 12.5mg/1000mg
Linagliptin + metformin	Jentadueto	2.5mg/850mg, 2.5mg/1,000mg	2 x 2.5mg/850mg–2.5/1000mg
Dapagliflozin + metformin	Xigduo	5mg/850mg, 5mg/1,000mg	2 x 5mg/850mg–2 x 5mg/1000mg
Canagliflozin + metformin	Vokanamet	50mg/850mg, 50mg/1,000mg, 150mg/850mg, 150mg/1,000mg	2 x 50mg/850mg–2 x 150mg/1,000mg
Empagliflozin + metformin	Synjardy	5mg/850mg, 5mg/1,000mg, 12.5mg/850mg, 12.5mg/1,000mg	2 x 5mg/850mg–2 x 12.5mg/1,000mg

WHEN TAKEN	TIMES PER DAY	POSSIBLE SIDE EFFECTS (MOST COMMON LISTED FIRST)*
Once weekly	Once weekly. The day of weekly administration can be changed if necessary, as long as the next dose is administered at least one day (24 hours) later	Nausea, vomiting, diarrhoea or constipation. Injection-site reaction. Hypoglycaemia (in combination with sulphonylureas). Dizziness, headache, fatigue, sleepiness. Stomach pain, bloating, indigestion, burping, flatulence, heartburn, reduced appetite, weight loss. .
Once daily, within the hour prior to any meal of the day	Once	Nausea, vomiting, diarrhoea. Hypoglycaemia (in combination with a sulphonylurea and/or basal insulin). Headache, dizziness. Injection-site reaction, pruritis. Back pain, influenza, upper respiratory tract infection, cystitis, viral infection. Urticaria, anaphylactic reaction.
Best taken before the first meal of the day	Once	Hypoglycaemia (in combination with a sulphonylurea or insulin). Vulvovaginal candidiasis, urinary tract infection, polyuria or pollakiuria. Balanitis, balanoposthitis.
With or without food at any time of day	Once	Hypoglycaemia (in combination with a sulphonylurea or insulin). Vulvovaginitis, balanitis and related genital tract infections. Urinary tract infections.
With or without food at any time of day	Once	Hypoglycaemia (in combination with a sulphonylurea or insulin). Urinary tract infections. Genital tract infections, pruritis, increased urination.
With or without food at any time of day	Once	Hypoglycaemia (in combination with a sulphonylurea or insulin). Rash, upper respiratory tracts infection. Urinary tract infection. Gastroenteritis, sinusitis, nasopharyngitis (in combination with metformin), headache, vomiting. Peripheral oedema (in combination with a glitazone).
Once daily with or without food	Once	Headache. Upper respiratory tract infections, nasopharyngitis. Abdominal pain, gastroesophageal reflux disease. Pruritis, rash.
With or without food	Once	Hypoglycaemia (in combination with metformin and a sulphonylurea). Nasopharyngitis. Cough. Rash.
With or without food	Once	Hypoglycaemia (in combination with metformin and a sulphonylurea). Upper respiratory tract infections. Headache. Dizziness.
With or without food	50mg in the morning, 50mg in the evening, except in dual combination with a sulphonylurea, where administration is 50mg in the morning	Dizziness. Hypoglycaemia. Headache. Peripheral oedema. Constipation. Arthralgia. Upper respiratory tract infection, nasopharyngitis.
With or just after food	Twice	As for pioglitazone (above), plus taste disturbance, abdominal pain, diarrhoea, nausea, vomiting.
With or just after food	Twice	Hypoglycaemia. Tremor, headache, dizziness. Nausea. Fatigue.
With food	Twice	As for metformin and sitagliptin individually. Sitagliptin and metformin in combination: nausea and stomach discomfort, drowsiness, hypoglycaemia, constipation. In combination with a sulphonylurea: hypoglycaemia.
With meals	Twice	Upper respiratory tract infection, urinary tract infection, gastroenteritis, sinusitis, nasopharyngitis. Headache. Vomiting.
With meals	Twice	Upper respiratory tract infections, nasopharyngitis. Headache. Abdominal pain, gastroesophageal reflux disease. Pruritis, rash.
With meals	Twice	Hypoglycaemia (with metformin and a sulphonylurea; with metformin and insulin), liver function disorders (with metformin and insulin).
With meals	Twice	Hypoglycaemia (with metformin and a sulphonylurea), gastrointestinal symptoms
With meals	Twice	Hypoglycaemia (with metformin and a sulphonylurea), gastrointestinal symptoms, urinary/genital infections
With meals	Twice	Hypoglycaemia, gastrointestinal symptoms. Genital tract infections, taste disturbance, pruritis, increased urination


NAME	MANUFACTURER	SOURCE	DELIVERY SYSTEM
Rapid-acting analogue			
NovoRapid	Novo Nordisk	Analogue	Vial, cartridge, FlexTouch & FlexPen prefilled pen
Humalog	Lilly	Analogue	Vial, cartridge, KwikPen (prefilled pen)
Apidra	Sanofi	Analogue	Vial, cartridge, prefilled pen
Humalog 200U/ml KwikPen	Lilly	Analogue	3ml KwikPen (600U)
Short-acting/neutral			
Actrapid	Novo Nordisk	Human	Vial
Humulin S	Lilly	Human	Vial, cartridge
Hypurin Bovine Neutral	Wockhardt UK	Bovine	Vial, cartridge
Hypurin Porcine Neutral	Wockhardt UK	Porcine	Vial, cartridge
Insuman Rapid	Sanofi	Human	Cartridge
Medium- and long-acting			
Insulatard	Novo Nordisk	Human	Vial, cartridge, prefilled insulin doser
Humulin I	Lilly	Human	Vial, cartridge, KwikPen (prefilled pen)
Hypurin Bovine Isophane	Wockhardt UK	Bovine	Vial, cartridge
Hypurin Porcine Isophane	Wockhardt UK	Porcine	Vial, cartridge
Hypurin Bovine Protamine Zinc	Wockhardt UK	Bovine	Vial
Hypurin Bovine Lente	Wockhardt UK	Bovine	Vial
Insuman Basal	Sanofi	Human	Vial, cartridge, prefilled pen
Mixed			
Humulin M3	Lilly	Human	Vial, cartridge, KwikPen (prefilled pen)
Hypurin Porcine 30/70 Mix	Wockhardt UK	Porcine	Vial, cartridge
Insuman Comb 15	Sanofi	Human	Cartridge
Insuman Comb 25	Sanofi	Human	Vial, cartridge, prefilled pen
Insuman Comb 50	Sanofi	Human	Cartridge
Humalog Mix 25	Lilly	Analogue	Vial, cartridge, KwikPen (prefilled pen)
Humalog Mix 50	Lilly	Analogue	Cartridge, KwikPen (prefilled pen)
NovoMix 30	Novo Nordisk	Analogue	Cartridge, prefilled pen
Long-acting analogue			
Lantus	Sanofi	Analogue	Vial, cartridge, prefilled pen
Levemir	Novo Nordisk	Analogue	cartridge, prefilled pen, prefilled insulin doser
Tresiba	Novo Nordisk	Analogue	Tresiba Penfill 100units/ml & prefilled Tresiba FlexTouch 100units/ml & Tresiba FlexTouch 200units/ml (NB the 3ml FlexTouch pen for 200units/ml contains 600 units)
Abasaglar	Lilly	Analogue	Cartridge, KwikPen (prefilled pen)
Toujeo	Sanofi	Analogue	SoloStar prefilled pen only

TAKEN	ONSET, PEAK AND DURATION (APPROXIMATE HOURS)																	
	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34
Just before / with / just after food	[Graph showing onset at 0, peak at 1, duration to 2]																	
Just before / with / just after food	[Graph showing onset at 0, peak at 1, duration to 2]																	
0–15 mins before, or soon after, a meal	[Graph showing onset at 0, peak at 1, duration to 2]																	
Just before/soon after a meal	[Graph showing onset at 0, peak at 1, duration to 2]																	
30 mins before food	[Graph showing onset at 0, peak at 1, duration to 2]																	
20–45 mins before food	[Graph showing onset at 0, peak at 1, duration to 2]																	
As advised by your healthcare team	[Graph showing onset at 0, peak at 1, duration to 2]																	
As advised by your healthcare team	[Graph showing onset at 0, peak at 1, duration to 2]																	
15–20 minutes before food	[Graph showing onset at 0, peak at 1, duration to 2]																	
As advised by your healthcare team	[Graph showing onset at 0, peak at 1, duration to 2]																	
As advised by your healthcare team	[Graph showing onset at 0, peak at 1, duration to 2]																	
As advised by your healthcare team	[Graph showing onset at 0, peak at 1, duration to 2]																	
As advised by your healthcare team	[Graph showing onset at 0, peak at 1, duration to 2]																	
As advised by your healthcare team	[Graph showing onset at 0, peak at 1, duration to 2]																	
45–60 mins before food	[Graph showing onset at 0, peak at 1, duration to 2]																	
20–45 mins before food	[Graph showing onset at 0, peak at 1, duration to 2]																	
As advised by your healthcare team	[Graph showing onset at 0, peak at 1, duration to 2]																	
30–45 mins before food	[Graph showing onset at 0, peak at 1, duration to 2]																	
30–45 mins before food	[Graph showing onset at 0, peak at 1, duration to 2]																	
20–30 mins before food	[Graph showing onset at 0, peak at 1, duration to 2]																	
Just before / with / just after food	[Graph showing onset at 0, peak at 1, duration to 2]																	
Just before / with / just after food	[Graph showing onset at 0, peak at 1, duration to 2]																	
Just before / with / just after food	[Graph showing onset at 0, peak at 1, duration to 2]																	
Once a day, anytime (preferably at same time each day)	[Graph showing onset at 0, peak at 1, duration to 2]																	
Once or twice a day, anytime (preferably at same time each day)	[Graph showing onset at 0, peak at 1, duration to 2]																	
Once a day, anytime (preferably at the same time each day)	[Graph showing onset at 0, peak at 1, duration to 2]																	
Once a day, anytime (preferably at the same time each day)	[Graph showing onset at 0, peak at 1, duration to 2]																	
Once a day, anytime (preferably at the same time each day)	[Graph showing onset at 0, peak at 1, duration to 2]																	

Tresiba, beyond 42 hours



Times are approximate and may vary from person to person. This is a guide only.



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**Helpline
caller**

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- How will hot weather affect me and my insulin?
- What should my blood glucose levels be? And what is the best way of managing them?

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Email helpline@diabetes.org.uk

Lines are open Monday to Friday, 9am to 7pm

www.diabetes.org.uk/helpline

DIABETES UK

*Calls may be recorded for training and quality purposes

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MANUFACTURER	NAME	DOSAGE (MIN–MAX)	INSULIN USED IN PENS	PEN NEEDLES COMPATIBLE*
INJEX UK Ltd	01 INJEX 30	5–30 units	All 10ml insulin vials and cartridges	None. Insulin administered by needle-free jet injections using patient-activated spring-loaded mechanism through a micro-aperture
Lilly	02 HumaPen Savvio	1–60 units	Humalog, Humalog Mix 25, Humalog Mix 50, Humulin I, Humulin M3, Humulin S Abasaglar	BD pen needles
	03 Humalog KwikPen, Humalog Mix 25 KwikPen, Humalog Mix 50	1–60 units	Humalog, Humalog Mix 25, Humalog Mix 50	BD pen needles
	04 Humulin I KwikPen, Humulin M3 KwikPen	1–60 units	Humulin I, Humulin M3	BD pen needles
	05 HumaPen Luxura HD	0.5–30 units (half-unit increments)	Lilly 3ml cartridges from Humalog and Humulin ranges, Abasaglar	BD pen needles
	06 Humalog 200units/ml KwikPen	1–60	Humalog	BD pen needles
	07 Abasaglar KwikPen	1–80	Abasaglar	BD pen needles
	Novo Nordisk	08 FlexPen	1–60 units	NovoRapid, Levemir, NovoMix 30
09 InnoLet		1–50 units	Insulatard, Levemir	NovoFine, NovoFine Autocover, NovoTwist
10 NovoPen 4		1–60 units	All Novo Nordisk 3ml penfill cartridges	NovoFine, NovoFine Autocover, NovoTwist, Tricare
11 PenMate		Automatically inserts needle when button is pushed. Fits NovoPen 3, NovoPen 3 Demi and NovoPen 3 Junior only		NovoFine, NovoFine Autocover, NovoTwist
12 NovoPen Echo		0.5–30 units (half unit increments)	All NovoNordisk 3ml penfill cartridges	Novofine, Novofine Autocover, NovoTwist,
13 Tresiba FlexTouch (200U/ml)		2–160 (2 unit increments)	Tresiba	Novofine, Novofine Autocover, NovoTwist
14 Tresiba FlexTouch (100U/ml)		1–80 units (1 unit increments)	Tresiba	Novofine, Novofine Autocover, NovoTwist
15 NovoRapid FlexTouch		1–80 units (1 unit increments)	NovoRapid	Novofine, Novofine Autocover, NovoTwist
Owen Mumford	16 Autopen Classic	1–21 units (green) 2–42 units (blue)	Lilly or Wockhardt UK 3ml insulin cartridges	BD Micro-Fine+, NovoFine, Penfine universal click, Unifine Pentips
	17 Autopen 24	1–21 units (green) 2–42 units (blue)	Sanofi 3ml insulin cartridges	BD Micro-Fine+, NovoFine, Penfine universal click, Unifine Pentips
Sanofi	18 SoloSTAR	1–80 units	Apidra, Lantus, Insuman Basal and Insuman Comb 25	BD MicroFine+, Penfine universal click, ultrafine Pentips, Unifine Pentips
	19 CliKSTAR	1–80 units	Apidra, Lantus, Insuman (all Sanofi 3ml insulin cartridges)	BD MicroFine+, Penfine universal click, ultrafine Pentips, Unifine Pentips
	20 JuniorSTAR	1–30 units	Apidra, Lantus, Insuman (all Sanofi 3ml insulin cartridges)	BD MicroFine+, Penfine universal click, ultrafine Pentips, Unifine Pentips
Spirit Healthcare	21 Insujet	4–40 units	All 3ml and 10ml UK insulin cartridges	None. Insulin administered by needle-free jet injections using compressed air through a precision nozzle

*Information provided by pen manufacturers. Other needles may be compatible. Please contact the pen company for further information.

EXAMPLE APPEARANCE	COLOUR	MATERIAL	CARTRIDGE OR PREFILLED	REDIAL DOSE?	CARRYING CASE DESCRIPTION
	Silver and green	Stainless steel and plastic	Cartridge	No	Black/green, soft but sturdy with zip closure
	Red, green, blue, pink, graphite or silver	Metal	Cartridge	Yes	Grey zip case
	Slate blue	Plastic	Prefilled	Yes	Soft case available from manufacturers
	Beige	Plastic	Prefilled	Yes	Soft case available from manufacturers
	Rainforest green	Metal	Cartridge	Yes	Burgundy hard case
	Dark grey	Plastic	Prefilled	Yes	Soft case available from manufacturer
	Light grey	Plastic	Prefilled	Yes	Soft case available from manufacturer
	Orange, green or blue	Plastic	Prefilled	Yes	N/A
	Cream	Plastic	Prefilled	Yes	None
	Blue or silver	Metal	Cartridge	Yes	Novo blue zip case
	Blue	Plastic	N/A	N/A	Soft pouch
	Red or blue	Metal	Cartridge	Yes	Soft pouch, dark blue
	Forest green	Plastic	Prefilled	Yes	
	Lime green	Plastic	Prefilled	Prefilled	
	Orange	Plastic	Prefilled	Yes	
	Green & white or blue & white	Plastic	Cartridge	No	Soft pouch
	Green or blue	Plastic	Cartridge	No	Soft pouch
	Blue, grey or white	Plastic	Prefilled	Yes	None
	Blue or silver	Plastic	Cartridge	Yes	Hard case
	Blue, red or silver	Metal	Cartridge	Yes	Soft pouch
	Green & white, blue & white or grey & white	Plastic and steel	Cartridge	Yes	Hard case (grey)

*Information provided by pen manufacturers. Other needles may be compatible. Please contact the pen company for further information.

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PUMP	SIZE (CM)	WEIGHT	SCREEN SIZE (MM ²)	COLOURS	BASAL INCREMENTS	TOTAL BASALS	BASALS PROFILES
Dana Diabecare R Advanced Therapeutics (UK) Ltd 	Pump: 7.5 x 4.5 x 1.9 Remote: 8.0 x 4.5 x 2.1	Pump: 63g (2.2oz) including battery Remote: 50g (1.8oz), including battery	Pump: 595 Remote: 595	Pink, green, black, grey or white	0.01u/hr or 0.1u/hr	24/day	4
Animas® Vibe™ ** Animas Corporation Animas Corporation 	8.26 x 5.08 x 2.18	Approx 105g (3.70oz)	723.6	Pink, silver, blue, or black	0.025u	12/day	4
MiniMed™ 640G System Medtronic 	5.3 x 9.6 x 2.44	95.7g	Insulin pump: 1312 Meter/ Remote: 1071	Black, Blue, Purple, Silver and Pink	0.025u	48/day	8
Accu-Chek Combo Roche Diabetes Care 	8.2 x 5.6 x 2.1	110g (3.9oz) including batteries, cartridge and infusion set	Pump: 600 Handheld: 945	Pump skins: Black, white, yellow, turquoise pink, blue	0.01u/hr	24/day	5
Accu-Chek Insight Roche Diabetes Care 	7.5 x 5.2 x 1.6	115g (4.1oz) including batteries, full cartridge and infusion set	Pump: 570 Handset: 2,535	Black	0.01u/hr	Up to 24/day	5
mylife OmniPod System Ypsomed Ltd 	PDM: 6.2 x 11.2 x 2.5 Pod: 3.9 x 5.2 x 1.45	PDM: 125g (4.4oz) including batteries. Pod: 25g (0.9oz)	1,728	Black	0.05u	Each programme can have 24 segments	7
mylife YpsoPump Ypsomed Ltd 	7.8 x 4.6 x 1.6	83g (includes 160U cartridge and AAA battery)	656	Black	0.00U/hr, 0.05U/hr, 0.1U/hr, 0.2U/hr	24/day	2

MEMORY	BATTERY LIFE	WATERPROOF?	MANUFACTURER'S DESCRIPTION
500 bolus, 100 prime, 200 daily totals, 500 carbohydrates and 500 blood glucose readings. Average bolus: 3, 7, 14, 21, 28 days. Alarm code, suspend history, temporary basal history, basal history.	4–6 weeks	Watertight international protection rating IPX8	Low price small and light pump and remote with full screens. Remote has built-in blood glucose meter (bluetooth connection with pump). Meal bolus calculator; active insulin on-board monitoring; different insulin-to-carbohydrate ratios and correction factors can be set for 4 separate time periods; bolus increments 0.05, 0.1, 0.5 or 1.0 units; insulin capacity 300 units (3ml); compatible with DIASEND; 4 year warranty; range of infusion sets including 4.5mm & 7mm (metal cannula), 6mm & 9mm Teflon catheter.
Last 500 bolus, 60 prime, 120 daily totals, 30 alarms, 30 suspends and 270 basal records.	Approximately 3–4 weeks for a Lithium Ultimate Battery	Waterproof at 12 feet (3.6m) for 24 hours*	Customisable in-pump food list with 500 items to facilitate carb counting†. Waterproof at 12ft(3.6m) for 24 hours*. Small basal increment (0.025 U/hr) across all the available basal rates (0.025 U/hr to 25 U/hr). Four different basal profiles can be programmed for different insulin needs. The following information is indicated for adult patients aged 18 and older only: Also the first CGM-enabled insulin pump** with a high-contrast colour screen for outstanding readability, revealing trends and rates of change at a glance. The Dexcom G4™ PLATINUM Transmitter is waterproof up to 24 hours at 2.4m and the Dexcom G4™ PLATINUM Sensor is approved for up to 7 days of wear. † When using Diasend software * CGM readings may not be displayed when in water ** Continuous Glucose Monitoring with Animas® Vibe™ insulin pump is only indicated for patients 18 years and older.
Glucose level statistics (based on finger prick and continuous glucose monitoring readings). 90 days memory. Manages basal and bolus insulin delivery, blood glucose data and food intake with averages. Guardian™ 2 Link Transmitter will transmit up to 10 hours of continuous glucose monitoring data back to the insulin pump if the Transmitter goes out of range.	14 days with CGM and 21 days without CGM, under normal use conditions.	Waterproof at 12ft (3.6m) for 24 hours	Insulin Pump: Easy to use menu; Active insulin displayed at all times; Bolus Wizard calculator dose advisor; Missed meal bolus reminder; Capture events feature; Low reservoir and battery alerts; Silent/vibrate alert options; Keypad lock; Menu block for children; Remote control bolusing; Program safety checks; Set change reminder; Auto adjusting screen brightness for surrounding conditions; Ergonomic design for left and right handed users; Can use 1.8ml or 3ml reservoir sizes for increased flexibility for all users; Wireless and automatic communication with CONTOUR NEXT Link 2.4 blood glucose monitor; CareLink therapy management software to download information; Wide range of compatible infusion sets and tubing lengths for all ages and body types. Continuous Glucose Monitoring: Built-in continuous glucose monitoring features, including Threshold alerts; Rate of change alerts and arrow displays; Predictive alerts. The SmartGuard™ feature unique to the Minimed™ 640G System allows the insulin pump to switch insulin delivery off based on your continuous glucose readings before a hypoglycaemic event in order to prevent it occurring. 4-year guarantee
1,000 diary entries (handheld); permanent memory (pump). Time and date stored for 1 hour after battery removed. Other pump settings and event memory saved regardless of battery status.	Uses lithium batteries. Pump: 200 days Bluetooth off; 80 days Bluetooth on. Handheld: 3–5 weeks	Watertight international protection rating IPX8 (60 mins at 2.5m)	Pump delivers pulses of basal insulin every three minutes, most closely mimicking the pancreas; fast occlusion detection using unique predictive alarm. Handset incorporates: remote control to the pump via Bluetooth, so no need to remove pump from clothes to operate; bolus advisor; range of safety reminders and alarms; large colour display showing all diabetes information at a glance. Compatible with Accu-Chek Smart Pix and Accu-Chek 360° download software. 4-year guarantee.
2,000 diary entries (handheld); permanent memory (pump). Time and date stored for 1 hour after battery removed. Other pump settings and event memory saved regardless of battery status.	Pump uses lithium AAA batteries:14 days Bluetooth off. Handset battery is rechargeable: 3 days of normal usage	Watertight international protection rating IPX8 (1.3m for 60 mins)	Full remote control of the pump via the handset. Full colour handset display with resistive touchscreen. Proven bolus advisor. Zoom function and full colour pump display. Very low minimum basal rate (0.02u/hr). Fast occlusion detection. Multiple reminders and warnings with a clear safety message system. Prefilled cartridge available. Compatible with Accu-Chek 360° software. 4-year guarantee.
90 days of insulin delivery, blood glucose, carbohydrate and alarm data (up to 5,400 records).	PDM: 3–4 weeks	Pod is waterproof to 7.6m for up to an hour (IPX8)	No tubing required. System includes a disposable Pod that is worn for 72 hours and a Personal Diabetes Manager (PDM) that wirelessly controls the Pod's functions. The Pod integrates the infusion set, cannula, 200u reservoir and automated cannula inserter. The PDM includes a bolus calculator; a built-in FreeStyle blood glucose meter; temporary basal rate options; and meal, correction, normal, or extended bolus options. 4-year guarantee.
Typically 3 months storage held for 360 months. A distinction is made between Therapy Data (500 events) and Alarm History (100 events). Therapy data comprises records of all therapy-relevant events such as bolus delivery, priming procedure or change in basal rates.	Typically 30 days of average use	IPX8 as per EN 60529 (Immersion to a depth of 1m for up to 60 mins)	Small and lightweight pump for discreet and comfortable wearing. Touchscreen, icon-based menu for intuitive and language neutral operation. Bolus increments of 0.1, 0.5, 1.0 and 2.0 U with 4 bolus options; standard, extended, combination and blind bolus feature. Choice of prefilled or self-filled cartridge, both 160U. User is not required to change the infusion set for each cartridge change. Infusion sets available with steel and soft cannulas that rotate 360 degrees at the infusion site for ease of movement. Bluetooth integration for wireless connection to diabetes management software. 4-year guarantee.



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DIABETES UK

*Calls may be recorded for quality and training purposes.

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MANUFACTURER	WEBSITE	TELEPHONE
Abbott Diabetes Care UK	www.freestylediabetes.co.uk	0800 170 1177
Advanced Therapeutics UK Ltd	www.advancedtherapeuticsuk.com	01926 833273
AgaMatrix Europe Ltd	www.agamatrix.co.uk	0800 093 1812
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B Braun	www.bbraun.co.uk	0114 225 9000
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LifeScan	www.lifescan.co.uk	0800 121 200
Lilly	www.lilly.co.uk	01256 315000
Medtronic	www.medtronic-diabetes.co.uk	01923 205167
Menarini Diagnostics	www.menarinidiag.co.uk	0118 944 4100
Mendor	www.mendor.com	+358 9 315 77 300
Merck Serono	www.merckserono.co.uk	020 8818 7200
Merck Sharp & Dohme	www.msdl-uk.co.uk	01992 467272
Novartis Pharmaceuticals UK	www.novartis.co.uk	01276 692255
Novo Nordisk	www.novonordisk.co.uk	0845 600 5055
Owen Mumford	www.owenmumford.com	0800 731 6959
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Roche Diabetes Care	www.accu-check.co.uk	0800 701 000
Sanofi	www.sanofi.co.uk	0800 035 2525
Servier Laboratories Ltd	www.servier.co.uk	01753 666409
Spirit Healthcare	www.spirit-healthcare.co.uk	0800 881 5423
Takeda UK	www.takeda.co.uk	01628 537900
Trividia Health	www.trividiahealth.com	0800 085 8808
VivaChek	www.vivichekdiabetes.co.uk	01492 596 692
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*The Accu-Chek Mobile Users Survey 2013. Respondents using the Accu-Chek Mobile system as their main meter n=3,132. Data on file.

**Maran A et al.: Use of an integrated strip-free blood glucose monitoring system increases frequency of self-monitoring and improves glycemic control: Results from the ExAct study. Journal of Clinical and Translational Endocrinology 1 (2014) 161-166. DOI: 10.1016/j.jcte.2014.08.003.

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