

Technology						Data display			System requirements		Extras	Cost		Find out more	
Product name (supplier)	Method of heat detection	How often is data recorded?	How often is data transmitted/ downloaded?	What is the range of the antenna (if used)	Claimed accuracy of heat detection	How is a farmer alerted to a cow in heat?	What heat management information is provided?	What smart technology is available?	Is specific software needed?	How is data stored/ transmitted?	What other information can be recorded?	Cost	Further payment information	Warranty?	Contact
AFIMilk Silent Herdsman (AFIMilk UK dealers, including NMR)	Neck collar accelerometer records activity	Many times a second	Activity every 19 minutes	From 125 up to 500m (Depending on farm topography)	More than 95%	Text, app and report on software	Onset of heat, duration and hours since start of heat	Mysilenthherdsman app can notify numerous people and data can be entered on phone and PC	Computer built into system	Uses wifi. Data stored on PC and backed up to cloud. Internet only needed for backup	Rumination, eating and health	Set-up costs start from about £5,000 plus collars from £80 each	If purchased through NMR, it's possible to pay monthly rental for collars alongside other product offerings	Full warranty, three to five years, depending on scale	07973 269 286 afimilk.com
Genus ABS Breeder Tag System (Genus)	Pedometers with accelerometer technology	Continuously by pedometer	Activity every 15 minutes (health and welfare every six minutes) via antenna	10km	96%	Smartphone alerts and computer report lists	Strength of heat activity, start of heat, peak heat, when heat finished, recommended insemination	Access for more than one person. System can be viewed over internet. Alerts sent to phone	Breeder Tag system and Windows operating system	Stored on computer, but backed up daily [doesn't require internet to back up]	Breeder Tag records lying, standing times/ percentages, cystic activity, activity increase. Breeder Tag Xtra also records down cow, lying exceptions, health and welfare and calving alerts	About £16,000 for 150-cow herd (plus £365/year for Breeder Tag Xtra)	One-off payment or paid over two years or five-year hire purchase	Five-year warranty for everything. Includes free software updates	08701 622 000 genusbreeding.co.uk
Heatime (manufactured by SCR, distributed by dealers, also available as AI24 from Semex)	Collar-mounted activity transponder	Continuously by collar	Every 20 minutes via antenna	Up to 500m	75-80%. Combining with rumination monitors increases accuracy by about 15%	Text, computer alarm, graphs, lists	Duration and countdown of heat for timed insemination	HC24 App (multiple people can access)	Heatime HR – has own control box with screen. Information transferred to smartphone with internet connection. Heatime Pro – Computer needed. This allows more detailed reports	Stored on farm via control box or computer. Works without internet, but must be connected to back up information on the cloud	Activity only or activity and rumination. Can give heat, health, calving distress and pregnancy probability alerts. Can be linked to production if milk monitors used	Activity only about £115 a cow. Activity plus rumination £125 a cow (based on 200 cows)	Tailored finance package available	Five years on all tags. Two years on box	01207 523 150 scrdairy.com
Herd Navigator (DeLaval)	Automatic milk progesterone testing as indication of heat	At milking (whether a sample is taken and how often depends on cow's stage in reproductive cycle)	In parlour	N/A	More than 95%	Graphs and lists of cows for heat, anoestrus, cysts, pregnancy and abortion	DelPro creates standard operating procedures on best action to take	Data can be viewed by any designated person online	DeLaval's herd management software, DelPro	Operates online. Internet essential for system to work. Data from DelPro can be backed up to the cloud	Identification of mastitis and ketosis is part package. (Only usable on VMS and herringbone parlours)	About £120 a cow a year over five years	Annual fixed fee for each cow	12 months full warranty	029 2077 5800 delaval.co.uk/ herdnavigator
Moletech SmaXtec Service (Mole Valley Farmers)	A reticulo-rumenal bolus records activity using an accelerometer	Continuously by bolus. Data created every 10 minutes	Whenever animal is 10m away from receiver (receiver/s usually in shed/parlour)	Receiver-to-receiver connection 100m. Can be scaled up	90% sensitivity (activity peak is max three hours ahead of activity collars)	Alerts sent to app and/or computer	Farmer can analyse graphs. A vet also analyses all data, produces monthly report and benchmarks	App	SmaXtec Messenger. User can access data, set alerts and share data. Accessible by numerous people	Data transmitted via ethernet or GSM to cloud. Receiver stores data. Internet not essential	Bolus also records pH (for 150 days), temperature and activity (four-year life). Package comes with building climate sensor. pH and climate sensor extra	From £2 a cow a month (system plus support)	n/a	Hardware, temperature and activity – four years pH – 150-day cover	01392 873 265 uk.smaxtec.com
MooMonitor+ (Dairymaster. Also as Pinpoint via Cogent)	Collar-mounted activity monitor with accelerometer	Continuously	Every 15 minutes	In excess of 1km	92-94%	Smartphone alerts, texts, emails. Behaviour graphs through app and website	Graphs and lists of cows to serve, non-cycling etc. Animals with abnormal behaviour	Data can be viewed on app. To assign or alter cow record, smartphone can be swiped over cow's tag and records immediately updated	Base station linked to cloud using broadband or mobile phone 3G/4G network (small additional fee will have to be paid to network). No need for PC	Cloud-based. Accessible by multiple devices and people. Internet needed to view data	Two options: heat only or heat and health. Can record feeding, rumination and resting times	Installation costs depend on farm layout. Base station options start at £3,300 plus one-off payment of £90/ a cow for heat only and £110 a cow for heat and health	Software subscription charge, including support and update. Price depends on package	Progressive five-year warranty (two years fully covered)	01527 878 505 moomonitor.dairymaster.com