

Smart meters

New and useful and coming soon

Smart meters are modern gas and electricity meters designed to give you more information about your energy use and control over your bills.

Smart meters are useful and could help you to reduce your energy use and therefore save money.

They come in two parts. Firstly, there's the meter itself (the round device pictured below) which records **how much** gas or electricity you use, and **when** you use it, and sends this information to your energy supplier. The second part is the 'home display unit' (pictured right) that gives you information about your energy use.

The benefits

One of the advantages of smart meters is that your energy supplier no longer needs to come to your house to take a meter reading as they'll receive this information automatically. Nor will they request that you take a meter reading yourself, or send you a bill based on an estimate. This (should) mean that you are always be charged the right amount for the gas or electricity you've used.

If you currently pay for your energy by prepayment meter then your supplier can provide you with an a pay-as-you-go smart meter. This will have additional ways to make payments although you can still use a card if you prefer.



Smart meters are small, and will normally live in the same space as your existing electricity meter



Above: a home display unit. Below left: the smart meter itself. With a smart meter, your gas and electricity bills will be based on accurate information rather than estimated readings.

Home display units

All smart meters come with a display unit. This is a small separate device with a screen which you can put wherever you want in your home (preferably where you can see it).

The display unit will help you keep an eye on your gas and electricity usage, and keep track of what you're spending. It will also show you how much energy you are using or how much money you're spending *at any moment*, or have used and/or spent that day, week, month or year, and will display in pounds/pence or kilowatts, whichever you prefer. You will also be able to set daily, weekly and monthly 'energy budgets'. If you have a smart pay-as-you-go meter, the display will show how much credit you have left and if there is any outstanding debt.

Some suppliers will provide additional ways of monitoring your use on a website or via smart phone apps.

With a smart meter, your gas and electricity bills will be based on accurate information rather than estimated readings.



Some things to be aware of

At the moment not every energy supplier can work with every type of smart meter, which means that if you switch between certain suppliers you may need to change meters. However, even if the new supplier can't support the 'smart' functions they will usually be able to use it in 'dumb' mode (e.g. lacking some of the functionality).

Smart meters give energy companies lots of information about customers' gas and/or electricity use (but not personal details such as bank details). If you're concerned about data protection, see www.smartenergygb.org/en/faqs. You can also ask to see your energy company's privacy policy which explains how handles the data it collects. You can restrict your supplier's access to your data so that all they can do is read the meter remotely when a bill is due, but if you do this, any web services or apps won't work for you. And if you really don't want a smart meter, you don't have to accept one.



Having a smart meter installed

Under current government legislation, energy suppliers are obliged to offer every household a gas or electricity smart meters by 2020. So if you haven't already been contacted about smart meters by your supplier, they are likely to be in touch soon. There should be no charge for changing from your old meter to a smart one.

The actual fitting should take less than an hour, depending on what kind of house you live in and where your meter is situated. Note that the gas and/or electricity will have to be switched off temporarily while the work is going on.

Your energy company should tell you the date and approximate time that an engineer will visit to fit the new meter. You can also request that the engineer calls you 30 minutes before they expect to arrive. For added security, you could ask your energy supplier for a password which the engineer must repeat when they turn up at your home. If you have any concerns, check the engineer's ID card and, if you're still in doubt, ask them to wait outside while you call your energy supplier.

Smart Energy GB (www.smartenergygb.org) is the national campaign for the smart meter rollout. It's independent of government, not an energy supplier and it doesn't fit smart meters. It's role is to make sure people understand smart meters and how to use them to get their gas and electricity under control. Gaz (right) and Lecky (left) are the public face of the campaign.



On the web: smart-meter pages of the UK's main energy suppliers

British Gas	www.britishgas.co.uk/smarter-living/control-energy/smart-meters.html
EDF	www.edfenergy.com/for-home/energy-efficiency/smart-meters
E.on	www.eonenergy.com/for-your-home/saving-energy/smart-meters
Utilita	www.utilita.co.uk/smart-meters/utilitas-smart-meters
nPower	www.npower.com/home/help-and-support/types-of-meter/smart-meters
Ovo	www.ovoenergy.com/products/smart-meters
Scottish Power	www.scottishpower.co.uk/energy-efficiency/smart-meters
SSE	www.sse.co.uk/HelpAndAdvice/SmartMeters

Last updated, Feb 2016



3 St Peter's Court
Bedminster Parade
Bristol BS3 4AQ

0117 934 1400
www.cse.org.uk
info@cse.org.uk

Charity: 298740
Founded: 1979

The **Centre for Sustainable Energy** is a national charity that helps people change the way they think and act on energy.

Our **Home Energy Team** offers free advice on domestic energy use to householders in Bristol and Somerset (including the unitary authorities of North Somerset and Bath & North East Somerset).



For energy advice:

Phone **0800 082 2234**

Email home.energy@cse.org.uk

Web www.cse.org.uk/loveyourhome



www.facebook.com/EnergySavingAdvice



www.twitter.com/cse_homeenergy