

GAS TRANSMITTER USER GUIDE

What's in the box?

1. Gas transmitter
2. Gas pulse sensors (2 different types)
3. Velcro pad
4. Wire tie
5. Guarantee card
6. This user guide



Gas transmitter with connecting wire + plug



Gas pulse sensor- type A (Shown already attached to an Actaris meter)



Gas pulse sensor- type B (Shown before attaching to a gas meter)

Connecting your new gas transmitter

After you have your electricity transmitter up and running and your Saveometer is measuring and showing your electricity use, you can add your gas transmitter. The gas transmitter will then automatically be linked with your Saveometer displays (up to 25) providing they are all within range of the transmitter. Your new gas transmitter contains long life lithium batteries which with normal use will last between 12 - 14 years.

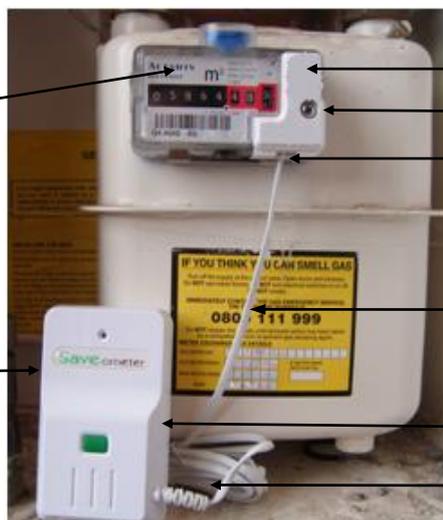
1. Take the gas transmitter so that you and it are close to your (already connected) electricity transmitter
2. Press the green transmit button on gas transmitter for a few seconds until the blue LED starts to flash slowly & then release. The blue LED will continue to flash
3. Now press the green transmit button on your electricity transmitter until the red LED starts to flash slowly
4. The gas transmitter blue LED will soon stop flashing and when it extinguishes the link has been completed, and the display shows "DONE". The red LED on the electricity transmitter will also soon extinguish.

All that has to be done now is to connect the gas transmitter at your gas meter.

This is a typical installation

The "m3" indicates metering in cubic meters of gas, and there are 5 black numbers/digits indicating how many cubic meters have been used. (The red digits are 100ths of a Cu Mtr)

Saveometer gas transmitter
This shows the LED and the green button used when linking for the first (and only) time with your electricity transmitter. When the transmitter location has been decided it may be attached using the velcro pads provided



Type A meter pulse sensor already fitted using the screw provided.

Type A sensor attachment screw
DO NOT OVER TIGHTEN SCREW

RJ plug is inserted in to the sensor socket – either socket may be used

Connecting wire between the gas sensor & the gas transmitter. **The Elster meters** use a different sensor & the transmitter plug is connected via a socket from the sensor. Please see 5c below.

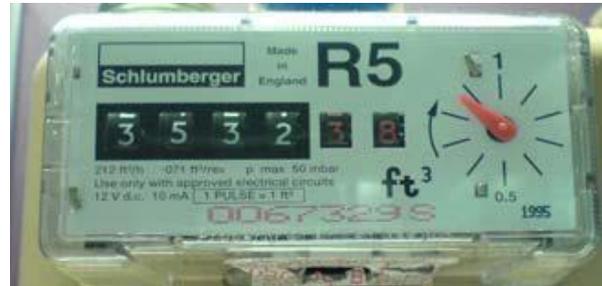
Battery access panel on back side

Unused wire can be neatly coiled after transmitter position is decided

5a Schlumberger or Actaris G4 or U6 gas meters are similar to the illustration above. A gas sensor and plastic screw is included with your new Saveometer gas transmitter. This is used when the transmitter is to be attached to a Schlumberger or Actaris G4 or U6 gas meter. The meter pulse sensor can be easily installed by attaching it at the gas meter and gently tightening the screw provided. **Do not over tighten** or you may damage the meter. Once the gas sensor is in place, insert the RJ plug from the transmitter into either of the sensor sockets as shown above.

5b Schlumberger & Actaris & UGI Limited R5 or Wilson G4 meters

When your new gas transmitter is attached to any of these meters the separate meter pulse sensors provided are not required. You simply plug in the connector from the transmitter directly into the meter as shown. We recommend that you keep the gas pulse sensors in a safe place just in case you move premises and need them in the future. The illustration shows a Schlumberger meter – other makes do vary slightly



Connect transmitter here →

5c Elster BK series Gas Meters

The Elster BK series of meters can be recognised by the letters BK found on the meter face. BK is usually followed by G 4 and occasionally by G1.6, or G 2.5. This type of meter requires its own special type B sensor and this is supplied with each transmitter. The Elster meters come in several colours – mainly light brown or grey

Fitting the sensor to the meter takes seconds. Offer the sensor up to the right hand underside of the meter face and fix by placing the supplied attachment through the holes provided. Once fixed, the RJ plug from the transmitter (it looks like a telephone plug) should be plugged into the socket leading from the sensor.



Sensor fits here under the display

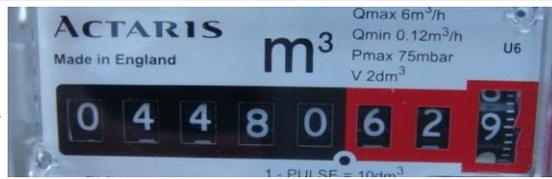
Elster "BK" series

6 Locate the gas transmitter at a convenient permanent location using the Velcro strip provided. In most houses and small businesses the transmitter will perform well when mounted in or in close proximity to the meter cupboard. To achieve the optimum range between the gas transmitter and your display(s), such as in larger or tall houses or businesses, you may wish to locate the gas transmitter away from the meter itself, in an area where there are least brick, concrete, stone or steel walls through which the transmitter signals must penetrate. The gas transmitter is supplied with a 2.5 meter cable for this purpose.

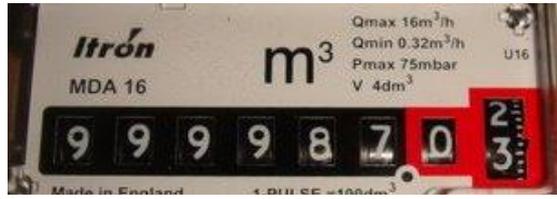
7 Once the transmitter location is finalised it may be mounted using the Velcro pad, and any excess wire may be neatly gathered using the cable tie provided.

8 It is important now to select if your gas meter measures gas in cubic feet or cubic meters, and also if your gas meter has 4, 5 or 6 meaningful digits or numbers. To do this select mode 18 on your Saveometer display. Using mode 18 on your Saveometer display, select if your gas meter measures gas in cubic feet or cubic meters - and also if your gas meter has 4, 5 or 6 meaningful digits or numbers. Meaningful digits or numbers are those that are not either in red or surrounded by red. You may find the illustrations on the following page useful when making your selection. Please inspect your meter, then using your Saveometer display select mode 18. Now use the < > keys to select either cubic meters or cu feet, and also whether your meter has 4, 5 or 6 meaningful numbers - always ignore the red numbers on the right. Only 4 meaningful digits or numbers is most unusual and when using mode 18 please select 5 digits. Here are some examples:

In this example the gas meter has 5 meaningful digits /numbers and measures gas in Cubic Meters indicated by M₃ (Meaningful digits or numbers are those that are not either in red or surrounded by red)



In this example the Itron gas meter has 6 meaningful numbers and measures gas in Cubic Meters indicated by M₃ (Meaningful digits or numbers are those that are not either in red or surrounded by red)



For this example the Schlumberger gas meter has only 4 meaningful numbers & measures gas in Cubic Feet shown by Ft³ (In mode 18 select 5 digits please – we phased out the 4 digit option) (Meaningful digits or numbers are those that are not either in red or surrounded by red)



OUR GUARANTEE

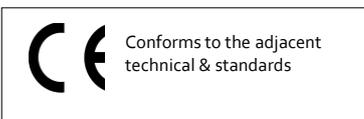
In addition to the comprehensive 18 month warranty as set out below, and your statutory rights, Eco₁ Limited guarantee that you will save at least the Eco₁ recommended selling price of your Saveometer transmitter (any model or part) within 6 months of installation and permanent connection in the UK during winter months, or you may return it to us (in appropriate protective packaging, fully insured & prepaid postage please). If you return any unit in good condition, together with your original dated receipt or evidence of purchase and the relevant utility bills for the year in question, Eco₁ will refund your purchase price in full providing your Saveometer has remained permanently connected. You can register on line using www.saveometer.com/register or by completing and posting the enclosed guarantee card. To enjoy the Eco₁ Limited unique guarantee your Saveometer must be registered within 14 days of purchase.

18 MONTH WARRANTY

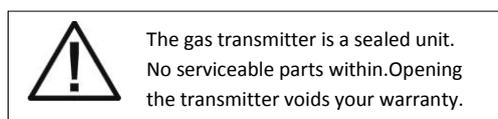
The Saveometer gas transmitter is guaranteed against manufacturing defects for a period of 18 months. This guarantee does not cover faults caused by misuse of any sort including contravention of the user guide, or when any part of the product has been dropped or modified in any way. Please take care of your Saveometer gas transmitter. The full term and conditions of your warranty are set out in the main user guide which accompanied your new Saveometer display.

Technical Specification

Operational Temperature:	5 deg C – 45 deg C (41 deg F – 113 deg F) at 85% relative humidity
Dimensions:	Transmitter 70 mm W x 115H x 35 D, weight 110g ,
Servicing	Do not attempt to service any part yourself. The transmitter is a sealed unit. Opening or removing covers may expose you to risks and voids all warranties. Refer all servicing only to qualified engineers at Eco₁ Limited.
Batteries	The supplied lithium battery will last between 10 to 14 years in normal use. For replacement contact Eco ₁ Limited or at www.saveometer.com . Do not attempt to replace the battery yourself.
Dimensions: :	Transmitter 70 mm W x 115H x 35 D, weight 150g ,
Cleaning	Only clean the transmitter using a dry cloth. Do not use aerosol or liquid cleaners.



Safety: EN60 950-01 2002 & EN503712002
Radio: EN300 220-22007
 Complies with the essential requirements of Council Directive 99/05/EC
 Compliance certificates available on written request



No part or parts of the Saveometer should be disposed in household waste. This equipment should be taken to your local recycling centre for safe treatment. Details of your local recycling centre can be found at www.recycle-more.co.uk or by telephoning your local council.

UK roll out of Gas & Electricity Supplier installed Smart Meters (SSM's)

A gradual roll out of supplier's smart meters may soon commence throughout the UK. New meters will be provided by your gas and electricity supplier, and the Government hopes that they will be installed in all homes by the end of 2020, or perhaps a little later. Technical standards for these new smart meters are being formulated and when roll out commences the new meters will enable all gas and electricity companies to accurately monitor both your gas and electricity consumption in real time, as well as introducing very sophisticated new charging rates and discounts. As soon as the new open standard has been agreed and published by Ofgem it is our intention that the Saveometer will be adapted to interface and function with every newly installed smart meter. All Saveometer users who have registered their warranty will be offered either an upgrade at a substantial discounted price, or alternatively offered a trade-in value when investing in the latest & most up-to-date Saveometer.

The Gatehouse,
 Cockpit Lane,
 Pontefract, West Yorkshire,
 WF8 1HH, United Kingdom.

VAT number 760 7953 04 | Company Number 04024507

Saveometer™
 Saveometer is a registered trademark of Eco₁ Limited. **eco₁**