EC Type Examination Certificate Number: **UK/ 0120/ SGS0090**

Landis + Gyr Ltd

Orion Business Park
Bird Hall Lane
Stockport
SK3 ORT

Instrument Identification:

E0615* 56, E0635* 56, E0645* 56, E0655* 56,E0665* 56, E0675* 56, E0685* 56, E0695* 56, E06B5* 56, E06C5* 56, E06E5* 56, E06F5* 56, E06G5* 56, E06H5* 56, E06J5* 56 and E06K5* 56
E6 gas meter with internal cut-off valve with temperature compensated, fixed pressure compensated, valve close on battery removal, fast valve closure and increment prevention options.
UK/ 0120/ SGS0090

EC Directive 2004/22/EC

on Measuring Instruments Annex B

It is certified that the manufacturer's technical design and specimen for the above instrument has been examined and, based on the evidence submitted, it is considered that the instrument conforms to the requirements of MI-002 of EC Directive 2004/22/EC.

This certificate is to be used in conjunction with a certificate covering the product verification as required in Annex D or Annex F

This certificate is valid for 10 years from 11th September 2012 until 10th September 2022
Issue 4

Certification is based on report number(s)
UK/0120/SGS0091Ra dated 29th August 2012
UK/0120/SGS0091Rb dated 11th September 2012
UK/0120/SGS009/iss4/Ra dated 9th October 2014

CE
0120

Notified Body Number 0120

Authorised Signature

Notified Body
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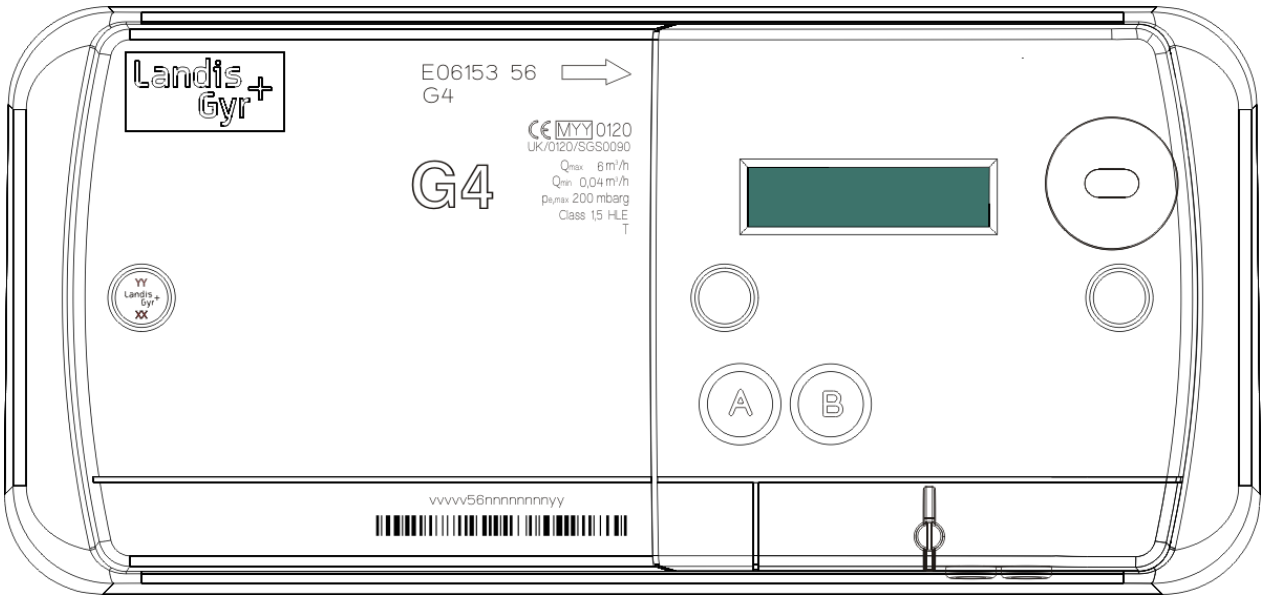
Approval Annex for EC Type Examination Cert. No. UK/ 0120/ SGS0090

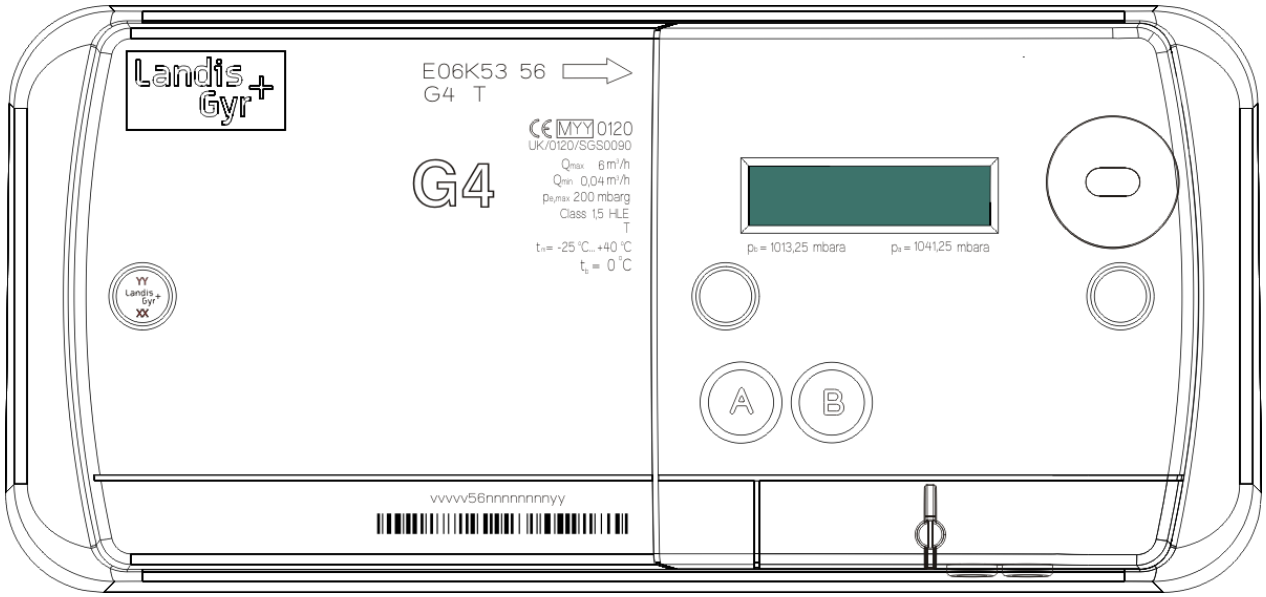
Manufacturer	:	Landis + Gyr Ltd		
Type of Meter(s)	:	E0615* 56, E0635* 56, E0645* 56, E0655* 56,E0665* 56, E0675* 56, E0685* 56, E0695* 56, E06B5* 56, E06C5* 56, E06E5* 56, E06F5* 56, E06G5* 56, E06H5* 56, E06J5* 56 and E06K5* 56		
Description of Meter	:	E6 gas meter with internal cut-off valve with temperature compensated, fixed pressure compensated, valve close on battery removal, fast valve closure and increment prevention options. N.B. the fixed pressure compensation is performed entirely within the meter module and is only approved with the temperature compensated option		
Accuracy Class (es)	:	1.5	**Software Version No**	V01.23
Bill Of Materials No	:	E06154 56- P000239330C E06354 56- P000239330C E06654 56- P000239330C E06754 56- P000239330C E06B54 56- P000239330C E06C54 56- P000239330C E06G54 56- P000239330C E06H65 56- P000239330C (Meters without valve close on battery removal facility)	**Bill Of Materials No**	: E0645* 56- P000274220A E0655* 56- P000274220A E0685* 56- P000274220A E0695* 56- P000274220A E06E5* 56- P000274220A E06F5* 56- P000274220A E06J5* 56- P000274220A E06K5* 56- P000274220A (Meters with valve close on battery removal facility)
Meter Location	:	Indoor, or in suitable enclosure	**Sealing Type** **Location**	: Plastic laser etched seal : 1 x Front of meter
Integrity of Meter	:	Inaccessible without breaking seals	**Temperature Range** **Base Temperature**	: -10°C to +40°C :-25°C to +40°C : 0°C, 15°C and 20°C
Range of Gases	:	Second Family	**Maximum Operating Pressure**	: 200 mbar
Flow Range	:	Qmax 6.0m^3/h Qmin 0.040m^3/h	**Orientation**	: Connection ports vertical

Artwork of front of meter

Meter E06153 56 without temperature compensation, fixed pressure compensation, valve closure on battery removal, fast valve closure or increment prevention.



Meter E06K53 56 with temperature compensation (t_b =0^{0}C), fixed pressure compensation, valve closure on battery removal, fast valve closure and increment prevention.



Please note-. The options incorporated within a meter can be readily identified externally by their laser etched model numbers which take the form E06*5* 56, please see the product variant identification details on page 7.

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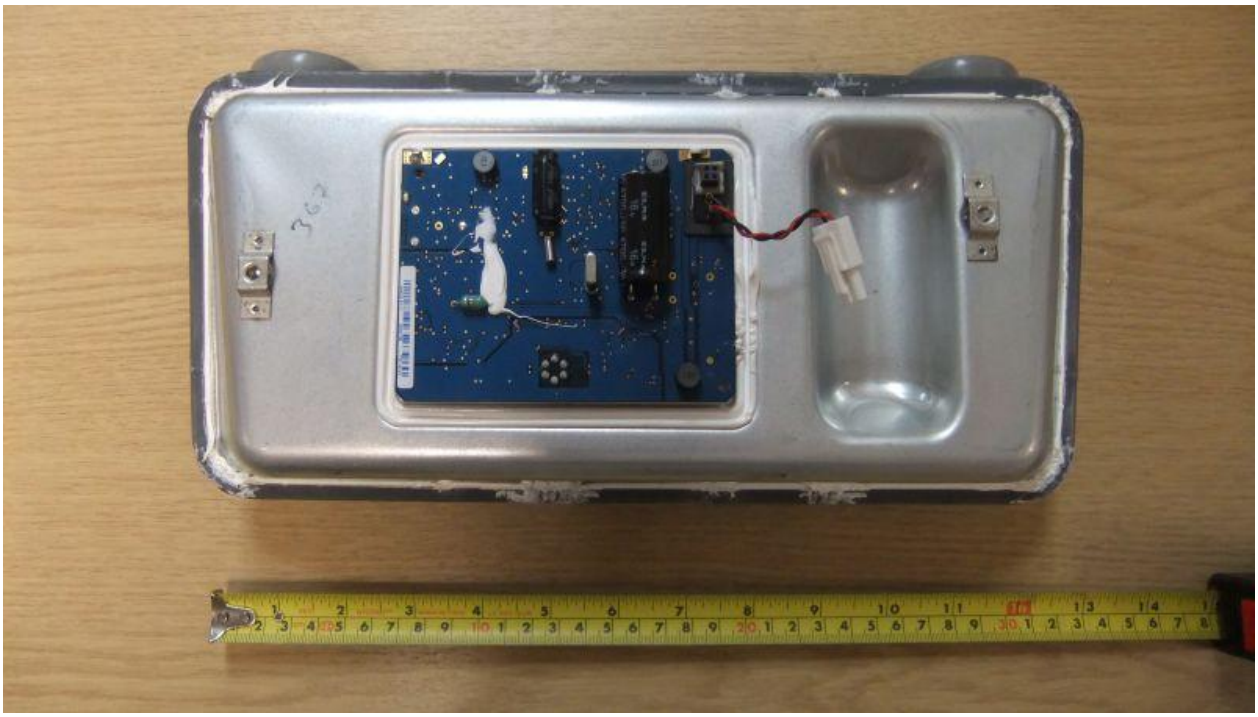
Photograph of Meter External View
(E06K53 56 shown)

Meter incorporating fixed pressure correction (identified by p_b and p_a markings on the module). The photograph shows a meter with tb=0^0C the base temperature is marked on the front of the base meter.

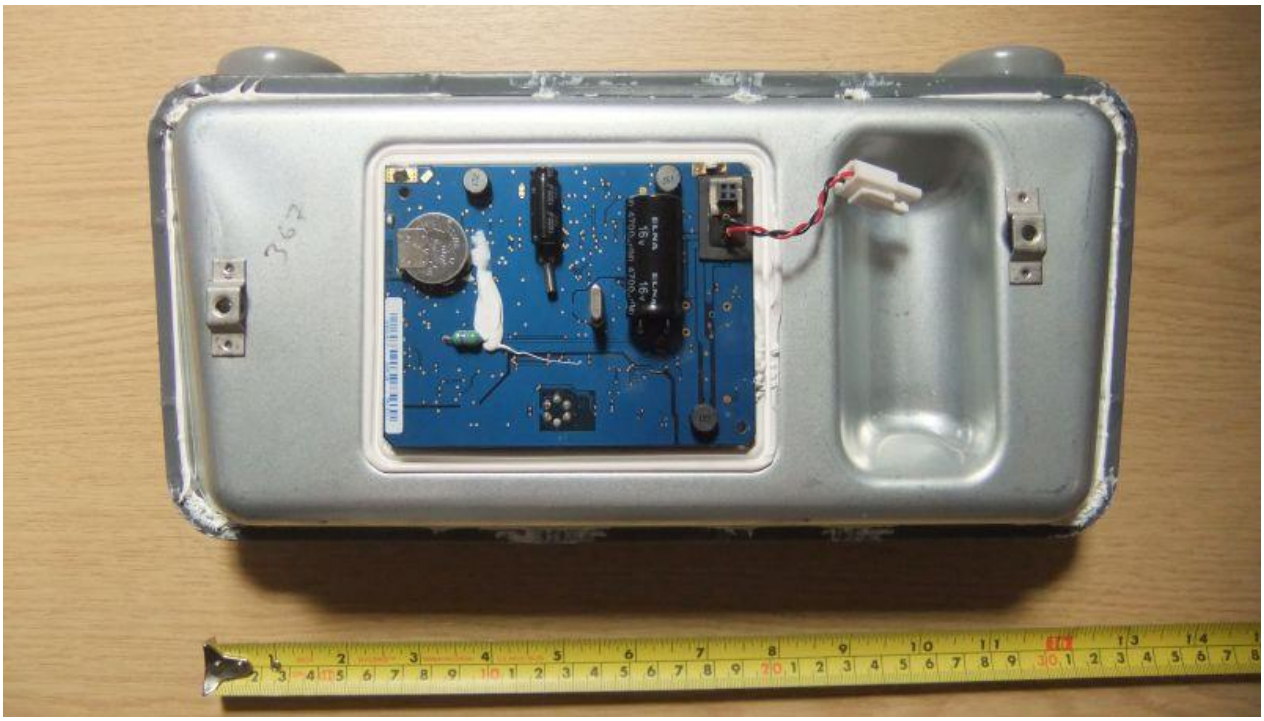
Photograph of Meter without Module Fitted
(E06K53 56 shown)

Photographs of Meters Showing PCB

Meter without valve close on battery removal facility.



Meter with valve close on battery removal facility (characterised by button cell).



Product Variant Identification Details:

Meter type
E Ultrasonic gas meter

Maximum flow rate Q_{max}
06 6 m^3/h

Functionality
1 With valve, no temperature compensation, no valve close on battery removal facility, no fast valve close, no increment prevention
3 With valve, with temperature compensation, no valve close on battery removal facility, no fast valve close, no increment prevention
4 With valve, no temperature compensation, with valve close on battery removal facility, no fast valve close, no increment prevention
5 With valve, with temperature compensation, with valve close on battery removal facility, no fast valve close, no increment prevention
6 With valve, no temperature compensation, no valve close on battery removal facility, with fast valve close, no increment prevention
7 With valve, with temperature compensation, no valve close on battery removal facility, with fast valve close, no increment prevention
8 With valve, no temperature compensation, with valve close on battery removal facility, with fast valve close, no increment prevention
9 With valve, with temperature compensation, with valve close on battery removal facility, with fast valve close, no increment prevention
B With valve, no temperature compensation, no valve close on battery removal facility, no fast valve close, with increment prevention
C With valve, with temperature compensation, no valve close on battery removal facility, no fast valve close, with increment prevention
E With valve, no temperature compensation, with valve close on battery removal facility, no fast valve close, with increment prevention
F With valve, with temperature compensation, with valve close on battery removal facility, no fast valve close, with increment prevention
G With valve, no temperature compensation, no valve close on battery removal facility, with fast valve close, with increment prevention
H With valve, with temperature compensation, no valve close on battery removal facility, with fast valve close, with increment prevention
J With valve, no temperature compensation, with valve close on battery removal facility, with fast valve close, with increment prevention
K With valve, with temperature compensation, with valve close on battery removal facility, with fast valve close, with increment prevention

Boss spacing
5 250mm

Boss type
0 ¾ inch boss to NEN 3084
1 ¾ inch boss to ISO 228-1 class B
2 1 inch boss to BS 746
3 G1¼ ISO 228-1 Class B

Space

Generation (Model Number)
56 Adaptive+ enclosure, Two Part measuring tube, ASIC less, Software V2.23

Fixed pressure compensation

Pressure compensation is implemented within the meter module.
Pressure compensation is only approved with temperature compensated versions of the meter.
Meter modules performing fixed pressure compensation can be identified by the base pressure marking- p_b=XXXX,XX mbara and assumed average input pressure marking- p_a= XXXX,XX mbara.
The specific values of p_b and p_a must be agreed with the issuing notified body prior to implementation.

The modules approved for fixed pressure compensation are detailed below:

1. G350 3455 (DSMR4.2 wireless) with software version V05.00.00.19
2. G350 4555 (DSMR4.2 wired) with software version V04.00.00.20

Modifications to the meters described according to approval No.**UK/ 0120/ SGS0090** must be notified to the issuing body to confirm the meter's continuing compliance to the relevant pattern approval standard(s).
All modifications to the module relating to the Meter Index (in particular the module case cover, buttons, window and sealing arrangement), fitted to the meter, must also be agreed with the issuing body before being implemented.

Document Revision History

Issue	Date	Comments
1	20/08/2012	Initial Issue
2	11/09/2012	V1.10 software, rev G PCB and addition of E0665* 56, E0675* 56, E0685* 56 and E0695* 56 variants' with fast valve close capability.
3	11/09/2012	Previously omitted BOMs added.
4	09/10/2014	Extended temperature range, Increment prevention function, additional base temperatures and use of fixed pressure compensating modules and revised meter marking