

EC Type Examination Certificate Number: **UK/ 0120/ SGS0068**

## **Itron Metering Solutions UK Ltd**

PO Box No.3,  
Talbot Road,  
Stretford,  
Manchester  
M32 0XX

Instrument Identification:

**U160**

**G100 diaphragm gas meter**

Instrument Traceable Number

**UK/ 0120/ SGS0068**

## **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 until 17<sup>th</sup> November 2020

Issue 2

Certification is based on report number(s) MID-B-187672-U160Ra dated 9<sup>th</sup> June 2016

Notified Body Number 0120

Authorised Signature



**CE**  
**0120**

Notified Body

SGS United Kingdom Ltd, 202B Worle Parkway, Weston-super-Mare, BS22 6WA UK

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EC Type Examination Cert.

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## Approval Annex for EC Type Examination Cert. No. UK/ 0120/ SGS0068

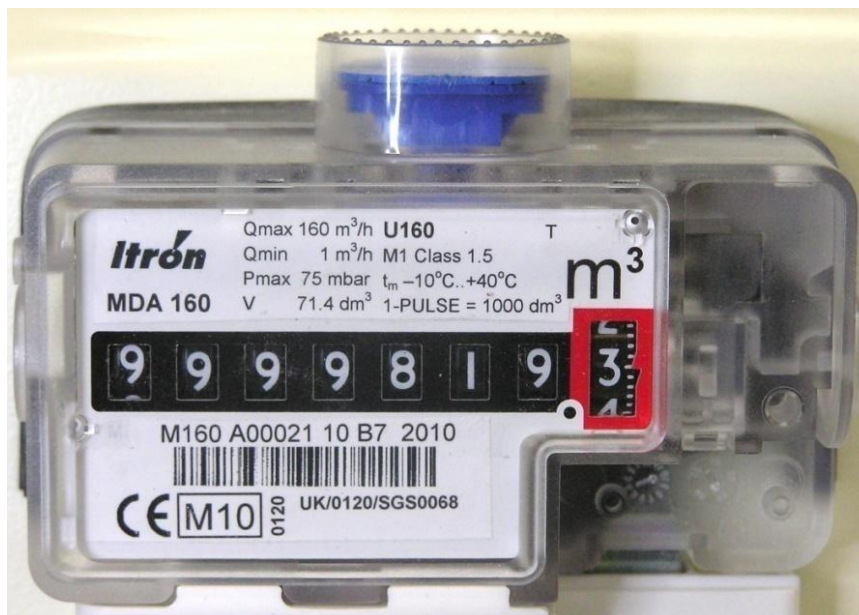
<b>Manufacturer</b>	:	Itron Metering Solutions UK Ltd.	
<b>Type of Meter(s)</b>	:	U160	
<b>Description of Meter</b>	:	G100 diaphragm gas meter.	
<b>Accuracy Class (es)</b>	:	1.5	<b>Software Version No</b> : Not Applicable.
<b>Cyclic volume:</b>		71.4dm <sup>3</sup>	<b>U160 Bill Of Materials No:</b> DD-034-0B(Includes Pulse Ready and Cyble indexes)
<b>Meter Location</b>	:	Indoor, or in suitable enclosure.	<b>Sealing Type</b> : Embossed plastic seal. <b>Location</b> : <b>Pulse Ready-</b> Fitted to top of index cover. <b>Cyble--</b> Fitted to bottom of index Cover.
<b>Integrity of Meter</b>	:	Inaccessible without breaking seal.	<b>Temperature Range</b> : -10°C to +40°C
<b>Range of Gases</b>	:	Second Family Group-IIA	<b>Maximum Operating Pressure</b> : 75mbar
<b>Flow Range</b>	:	Qmax 160m <sup>3</sup> /h Qmin 1m <sup>3</sup> /h	<b>Orientation</b> : Connection ports vertical

The meter is approved with either the Pulse Ready or Cyble Index

### Photograph Showing Complete U160 71.4dm<sup>3</sup> Meter with Pulse Ready Index



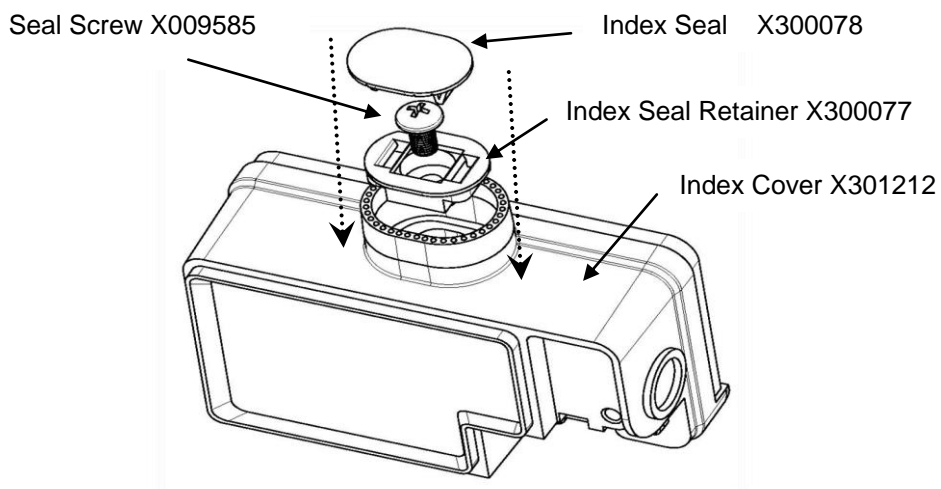
## Pulse Ready Meter Index



Pulse Ready meter index showing blue security seal location.  
The index is shown without the optional 45-0000 pulse module fitted

## Detail of Pulse Ready Seal Location

Meter is shown without the optional 45-0000 pulse module fitted.



### Pulse Ready Seal Detail



The Itron seal symbol and date will be heat embossed on the Index seal X300078 after the meter has been certified.

### Optional Pulse output Module45-0000 for the Pulse Ready Index



The module provides a 1000dm<sup>3</sup> pulse VFC output. The module is fitted to the Index with a screw which may be covered with a seal.

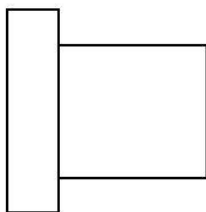
## Cyble Meter Index



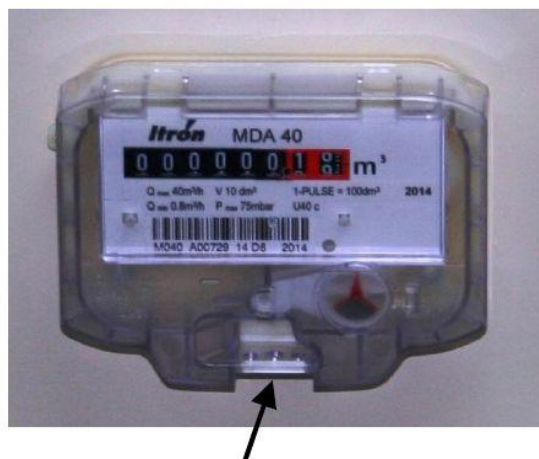
## Detail of the Seal and its Location on the Cyble Index



Top View of Seal with the impressed Itron 'O' Symbol.



Side View of Seal



Location Hole for Metrological Seal in the Cyble Index



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Approved Product Variations:

Pulse output module 45-0000 may be attached to the Pulse Ready meter index

Modifications to the meters described according to approval No. **UK/ 0120/ SGS0068** must be notified to the issuing body to confirm the meter's continuing compliance to the relevant pattern approval standard(s). Modifications to the pulse output module 45-0000 relating to the readability of the meter index and the applied load on the index, must also be agreed with the issuing body before being implemented.