



Nederlands Meetinstituut

Type Approval

Number **T5919** Revision 0
Projectnumber: 10134783
Page 1 of 3

In case of dispute the Dutch text of the Type Approval is decisive.

Issued by NMI Certin B.V.
Hugo de Grootplein 1
3314 EG Dordrecht
The Netherlands

In accordance with article 11a, second paragraph, of the IJkwet [*Weights and Measures law*]

On request of Instromet B.V.
Munstermanstraat 6
7064 KA Silvolde
The Netherlands

Submitted **A gas meter with addition of an electronic volume conversion device (EVCD)**

Manufacturer : Instromet
Type : model 2000

Characteristics Destined for the measurement of : gas volume

Severity class : B (enclosed locations, having only low levels of vibration and shock, ambient temperature between -10°C and +40°C)

In the Description T5919 Revision 0 the remaining characteristics are stated.

Description and documentation The gas meter is described in the Description nr. T5919 Revision 0 appertaining to this Type Approval.

Dordrecht, 21 January 2002
NMI Certin B.V.


W.A.C.M. van Leeuwen
manager Certification Dordrecht

Nederlands Meetinstituut
Hugo de Grootplein 1
3314 EG Dordrecht (NL)
Telephone +31 78 6 332 332
Telefax +31 78 6 332 309

NMI B.V. (Chamber of Commerce
Haaglanden no. 27228701)

Subsidiary companies:
NMI Certin B.V. (27233418)
NMI Van Swinden laboratorium B.V. (27228703)
NMI International B.V. (27239176)

This document is issued under the provision that NMI B.V.
nor its subsidiary companies accept any liability.

Reproduction of the complete document is allowed.
Parts of the document may only be reproduced after
written permission.

1 General information of the gas meter

All features, mentioned or not mentioned, may not be in conflict with the legislation.

1.1 Essential parts

Part	Remark
Gas meters as described in a Dutch Type Approval or a Certificate of an EEC Type Approval.	See the documentation of the applicable Dutch Type Approval or the Certificate of the EEC Type Approval belonging to the gas meter.
Electronic volume conversion device (EVCD)	See Test Certificate nr. TC3464 and appertaining documentation.

1.2 Essential characteristics

1.2.1 The maximum frequency is 5 kHz. Also LF pulses can be handled, with a pulse width of 10 ms minimally, while the time between two pulses is determined by the maximum frequency.

1.3 Essential shapes

1.3.1 Markings

1.3.1.1 Markings on the gas meter

For the markings on the gas meter is referred to the Dutch Type Approval or the Certificate of the EEC Type Approval belonging to the gas meter.
 Supplementary the number of this Type Approval "T5919" and the make of the gas meter "Instromet" is shown on the gas meter.

1.3.1.2 Markings on the EVCD

For the markings on the EVCD is referred to the Test Certificate nr. TC3464. Also the number of this Type Approval "T5919" has to be inscripted on the EVCD.

1.4 Conditional characteristics

1.4.1 Conversion

If the EVCD is connected with a **diaphragm gas meter** the conversion at least has to be performed each quantity as stated below.

Size	Conversion each
G 1,6 up to and including G 6	0,01 m ³
G 10 up to and including G 65	0,1 m ³
G 100 up to and including G 650	1 m ³
≥ G 1000	10 m ³

If the EVCD is connected with a **rotary piston or turbine gas meter** the conversion at least has to be performed each volume quantity as stated below.

Size	Conversion each
G 16 up to and including G65	0,1 m ³
G 100 up to and including G650	1 m ³
G 1000 up to and including G6500	10 m ³
≥ G10000	100 m ³

If the pulse frequency exceeds once each thirty seconds, a conversion, with actual values, can be performed not more often than once each 30 seconds.

2 Conditions for verification

- 2.1 The gas meter needs to be in conformity with the Dutch Type Approval or the Certificate of EEC Type Approval belonging to the gas meter.
- 2.2 The EVCD needs to be in conformity with Test Certificate nr. TC3464, the appertaining description and the documentation folder.
- 2.3 The verification marks and the seals need to be connected as mentioned in chapter 3.

3 Verification marks and seals

- 3.1 Sealing of the gas meter:
For the sealing of the gas meter is referred to the Dutch Type Approval or the Certificate of the EEC Type Approval appertaining to the gas meter.
- 3.2 Sealing of the EVCD:
For the sealing of the EVCD is referred to the Test Certificate nr. TC3464.