DANAK
PROD Reg.No. 7025

FORCE Certification

EC-Type Examination Certificate

Measuring Instrument Directive

Certificate number: DK-0200-MI002-009

Issued by FORCE Certification, Denmark
EC-notified body number 0200

In accordance with The Danish Safety Technology Authority's statutory order no. 436 of 16th May 2006 with later amendments which implements the Directive 2004/22/EC of the European Parliament and Council of March 31st, 2004 on measuring instruments (MID) with later amendments.

Issued to:	**Apator Metrix S.A.** **Grunwaldzka 14** **83-110 Tczew** **Poland**
Reference No.:	114-31871
Type of instrument:	Diaphragm Gas Meter
Type designation:	6G6
Valid until:	September 23, 2018
Number of pages:	5, including appendix
Date of issue:	November 03, 2014
Revision:	1 This certificate replaces the original certificat

Approved by

Lars Poder
Certification Manager

Processed by

Kurt Rasmussen
Examiner

The conformity markings may only be affixed to the above type approved equipment. The manufacturer's Declaration of Conformity may only be issued and the notified body identification number may only be affixed on the instrument when the production/product assessment module (D or F) of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

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Appendix to
EC-Type Examination Certificate
Measuring Instrument Directive

Number: DK-0200-MI002-009

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Revision history

Revision	Issue date	Changes
Rev. 1	2014-11-03	New street name for Apator Metrix
DK-0200-MI002-009	2008-09-23	Original certificate

Applied standards and documents:

EN 1359:1998/A1:2006. Pressure absorption with integrated valve (option V) exceeds the initial permissible values in table 3.

The instrument shall correspond to the following specifications:

Type designation

6G6

Description

6G6 is a diaphragm gas meter with mechanical index. The mechanical measuring unit is mounted in steel plate housing with either two-pipe or co-axial connections. The measuring unit's movements are transmitted via a shaft through a bushing to the index. The index registers the measured volume at the actual conditions.

The measuring unit includes a mechanical blockage which prevents registering of more than 50 cyclic volumes in case of reverse flow through the meter.

The meter is available with the following options:

Pulse transmitter

Integrated valve

194-5-9-en-en
31-1-2-da-en

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Technical documentation

FORCE Certification File no. 114-31871

Technical data

Instrument type:		Diaphragm gas meter	
Accuracy class:		1,5	
Environment class:		M1	
Climatic class:		-25°C to +55°C, condensing, closed outdoor location.	
Volume indication:		m^3 at actual conditions	
Maximum flow rate:	Q_{max}	10	m^3/h
Minimum flow rate:	Q_{min}	0,06	m^3/h
Transitional flow rate:	Q_t	1	m^3/h
Overload flow rate:	Q_r	12	m^3/h
Cyclic volume	V_c	2,2 dm^3	
Gas family:		Fuel gasses of 1st, 2nd and 3rd family (EN 437:2003)	
Maximum pressure:	p_{max}	0,5 barg / 0,1 barg (Option high ambient temperature resistant)	
Gas temperature range:	t_m	-25 °C to +55 °C	
Volume:	V	0 – 99999,999 m^3	
Pulse values:		0,01 m^3/imp	

The meter is supplied with different connections:
Two-pipe, with centre distance 110 to 250 mm, threads from 1/2" to 5/4"
Mono-pipe (coaxial) 2"

Verification

Errors

Maximum permissible errors (MPE) according to Directive 2004/22/EC of the European Parliament and Council of March 31st, 2004 on measuring instruments (MID), Annex MI-002.

Maximum permissible errors

±3 % for $Q_{min} \leq Q < Q_t$
±1,5 % for $Q_t \leq Q < Q_{max}$

When the errors between Q_t and Q_{max} all have the same sign, they shall all not exceed 1 %.

Procedure

Verification is carried out at laboratory conditions. It is permitted to use air as verification gas.
The verification is valid only for the display reading.

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Sealing

Security sealing

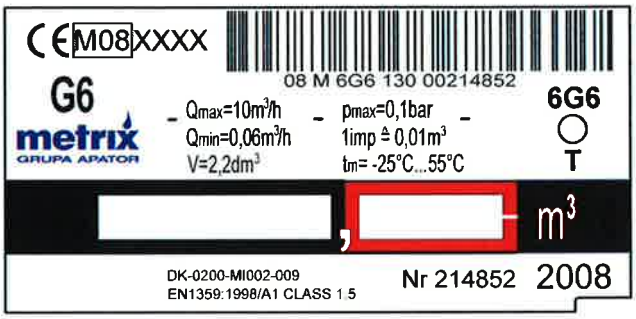
Security seal consist of either a metal seal stamped as shown or an internal plastic seal which locks when the index counter is put in place and breaks when the index counter is removed.

Security seal
Metal

Mx

Verification mark

Labelling and inscriptions



Conformity marking (CE + M + Year of affixing + NB no.)
EC-type examination certificate number
Manufacturer designation or logo
Type, production year and serial number

Applied European Standard		:	EN 1359:1998/A1:2006
Class		:	1,5
Maximum flow rate:	Q_{max}	:	10 m^3/h
Minimum flow rate:	Q_{min}	:	0,06 m^3/h
Ambient and gas temperature:	t_m	:	-25 °C ... +55 °C
Maximum working pressure:	p_{max}	:	0,5 barg / 0,1 barg (Option high ambient temperature resistant)
Volume:	V	:	m^3
Cyclic volume:	V_c	:	2,2 dm^3
High ambient temperature resistant		:	T
Pulse values (optional)		:	1 imp ≙ 0,01 m^3

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Accompanying information

Rated operating conditions not included on the label:

- Transition flow rate: Q_t = 1 m^3/h
- Overload flow rate: Q_r = 12 m^3/h
- Climatic class: condensing, closed outdoor location
- Mechanical environment class: M1
- Gas family: Fuel gasses of 1st, 2nd and 3rd family (EN 437:2003)

Instructions for installation, maintenance, repairs, permissible adjustments

Instructions for correct operation and any special conditions of use

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