

[13]

Schedule

[14] EC-TYPE EXAMINATION CERTIFICATE n. CESI 04 ATEX 067 X

[15] **Description of equipment**

The metallic flow meter, set formed by mechanical indicators, electrical circuits with communication facilities standard 4-20 mA housed into a stainless steel enclosure (I GD category) or aluminium alloy (II GD category), process measurement metallic pipe and limit switch type of maximum or minimum. The version available are: indicator only (I M) with or without limit switches (5 or 6), indicator with communication 4-20 mA (I M), with or without limit switches (5 or 6). Besides, category identification code is **II GD** (I GD category) or **II GD** (II GD category). The limit switches are subject to separate certification.

The indicator in version metallic only (I M), assumes the type of protection **II GD e II T4 IP65 T85°C** if the enclosure is made of stainless steel, or **II GD e II T4 IP65 T85°C**, if the enclosure is made of aluminium alloy.

Electrical characteristics

Parameters of the intrinsically safe circuit

U ₀	:	30V
I ₀	:	100 mA
P ₀	:	150 mW
C ₀	:	ng/μg far
L ₀	:	ng/μg far

Parameters of the intrinsically safe circuit with limit switches

The parameters are reported in the relative certificates PTB 00 ATEX 0049 X, ZSELM 01 ATEX 0124 X or PTB 95 ATEX 1219 X.

Ambient temperature: -20 + 60°C

The intrinsically safe circuit, must be supplied by galvanically separated associated apparatus with linear output of category **I GD** certified according to the EN 50134, EN 50120 and EN 50184, that respect the limits of the electrical characteristics above mentioned.

The accessories for the cable entries must have a minimum degree of protection **IP 55**, according to the standard EN 50129 and must be certified according the EN 50134 and EN 50184:2003 standards of category **I GD**.

This certificate may only be reproduced in its entirety and without any change, schedule included.

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[15] **Report n.**

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Essential parts

The manufacturer must carry out the essential tests prescribed in clause 24 of the EN 50498 standard.

Documented Documents (para. 23.4.4(1)(b))

- a. Technical File ATEX - 2006 Rev. 0	Issued	25.06.2006
- a. Extract of the User Manual Rev. 1 (Italian)	Issued	18.05.2006
- a. Extract of the User Manual Rev. 1 (English)	Issued	25.05.2006
- a. Manufacturer Drawing CG number 04 and 05	Issued	06.07.2006
- a. EC Declaration of Conformity	Issued	02.05.2006

One copy of all documents is kept in CESI files.

[16] **Special conditions for tests and (X)**

- a) This machine with window has been submitted to the low risk of manufacturing defect. Precautions shall be taken during the installation to avoid the risk of manufacturing defect.
- b) As soon the temperature of the process fluid is very high, it guarantees that the ambient temperature for the case is [25], a fan-cooler must be installed, according to the instructions for use.

[17] **Essential Health and Safety Requirements**

Approved by the manufacturer as the manufacturer.