

Electronic gas volume conversion device

Test report

Project number : 9200044
Test report number : CVN-9200044

Issued by : NMI Certin B.V.
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The Netherlands

Submitted : A flowcomputer configured for measuring in a natural gas application.

Scope of investigation : Verify if the flowcomputer calculations are in accordance with the applicable standards as stated on the next page.

Manufacturer : Emerson
Type : Floboss 107
Serialnumber : W48083X0022 E 0905
Year of manufacture : 2008

Applicant : Emerson Process Management Flow Computer Division
Outgang Lane
Pickering, North Yorkshire, Y018 7 JA
United Kingdom

Test dates : June up to and including July 2009

Signature :

A handwritten signature in black ink, appearing to read 'J.C.M. van den Berg', is written over a horizontal line.

J.C.M. van den Berg
Approvals Engineer

Date : 24 July 2009



Verified calculations : The flowcomputer calculations have been verified with the following

Calculations for orifice plates

- the 5167-2:2003 "Orifice plates"
- AGA Report No. 3:1992 "Orifice metering of natural gas"

Calculations for Turbine Gas Meters

- AGA Report No. 7 "Measurement of Gas by Turbine Meters"

Calculations of the gas properties (natural gas)

- AGA 8-DC92 (compressibility)
- ISO 6976

Results : See annex 2 of this test report.

Annexes : The complete test report consists of the following annexes:

- annex 1: test method and characteristics
- annex 2: performed tests and results