



Applicant: Elster-Instromet B.V.
Munstermanstraat 6
7064 KA Silvolde
The Netherlands

Submitted: Gas Volume Electronic Conversion Device (EVCD)
Manufacturer : Instromet
Type : Model 2000

Scope of investigation: Evaluation of the EVCD, Model 2000, for compliance with the EN 12405 [July 2002] based on earlier performed tests by NMI (prEN 12405 testreports CVN-10134783-01 and CVN-10140257-01) and KEMA (testreport 2083271-QUA/EMC 05-4583).

Tests: See annex 1

Result: Based on the above mentioned testreports has been determined that all performed tests (see Annex 1) comply with the EN 12405 [July 2002].

Dordrecht, 28 July 2006
NMI Certin B.V.



A. Lambregtse
Product Certification

NMI Certin B.V.

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Parties concerned can lodge objection against this decision, within six weeks after the date of submission, to the general manager of NMI B.V. (see "Regulation objection and appeal against decisions of NMI B.V.")

NMI B.V., chamber of comm. no. 27.228.701
NMI Certin B.V., chamber o.c. nr. 27.233.418

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TESTS according to the EN12405 [July 2002]		PASSED	REMARK
A.2	Accuracy test under reference conditions	✓	1 - 120 bar; -30 - +60°C
A.2	Algorithm test with several gas compositions	✓	SGERG91, AGA8, NX19.I
A.3	Dry heat	✓	+60°C
A.3	Cold	✓	-10°C
A.4	Damp heat, steady state test	a) Initial test (at reference temperature)	+60°C, rel. hum. 93%
		b) Test at the end of the upper temperature phase	
		c) Final test (at reference temperature)	
A.5	Damp heat, cyclic test	a) Initial test (at reference temperature)	variations between +25 and +60°C, rel. hum. 95%
		b) Final test (4 hours after temperature variations)	
A.6	Electrical power variations (dc upper and lower voltage)	✓	upper 28V; lower 21V
A.7	Short time power interruptions	n/a	dc power supply
A.8	Electrical bursts	a) Power supply lines	EN61000-4-4
		b) I/O circuits and communication lines	EN61000-4-4
A.9	Electromagnetic immunity	✓	0,15 – 1000 MHz; 80% AM 1kHz, 10V/m
A.10	Electrostatic discharges	a) Direct application	8 kV contact mode
		b) Indirect application (contact discharges only)	15 kV air mode
A.11	Overload of pressure	n/a	
A.12	Mechanical resistance to overload of pressure	n/a	
A.13	Effect of vibrations	✓	
A.14	Effect of shocks	✓	
-	Meter error correction	✓	10 points interpolation
A.15	Durability test	a) Initial test (at reference temperature)	
		b) Final test (24 hours after temperature variations)	