Nederlands Meetinstituut

DECLARATION

Number CPC-607035-01

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 restreports 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.
Hugo de Grootplein 1,
3314 EG Dordrecht
P.O. Box 394, 3300 AJ Dordrecht,
NL
phone +31 78 6332 332
fax +31 78 6332 309
certin@nmi.nl
www.nmi.nl

	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 15 kV air mode
		b) Indirect application (contact discharges only)	✓	
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)	✓	