	tor rules and details of	of the IECEx Scheme visit www.iece	ex.com
Certificate No.:	IECEx BVS 04.0005	issue No.:1	Certificate history: Issue No. 1 (2007-6-21)
Status:	Current]	Issue No. 0 (2004-2-13)
Date of Issue:	2007-06-21	Page 1 of 5	
Applicant:	Micro Motion, Inc. Boulder, Co. 80301 United States of Am	erica	
Electrical Apparatus: Optional accessory:	Processor type Mode	I 700C	
Type of Protection:	Intrinsic Safety		
Marking:	Ex ib IIB/IIC T5 Tamb -40 °C up to +60	0°C	
Approved for issue on k Certification Body:	behalf of the IECEx	Dr. R. Jockers	
Position:		Head of Certification Body	
Signature: (for printed version)			
Date:			
This certificate is not		oduced in full. the property of the issuing body. ay be verified by visiting the Official	IECEx Website.
ertificate issued by:		•	
	EKRA EXAM GmbH Dinnendahlstrasse 9 44809 Bochum	シ	DEKRA
	Germany		A EXAM GmbH

	IECEx BVS 04.0005	
Date of Issue:	2007-06-21	Issue No.: 1
		Page 2 of 5
Manufacturer:	Micro Motion, Inc. Boulder, Co. 80301 United States of Am	erica
Manufacturing location(s): Micro Motion, Inc. 7070 Winchester Circle Boulder, Co. 80301 United States of America	Micro Motion Inc. Ave. Miguel de Cervantes 1 ⁴ Complejo Industrial Chihuahua Chihuahua 31109 Mexico	Emerson Process 11 Management Co., Ltd 1277 Xin Jin Qiao Rd Jin Qiao Export Processing Zone Pudong Shanghai 201206 China
covered by this certificate, certificate is granted subjection Documents as amended. STANDARDS: The electrical apparatus an	was assessed and found to comp to the conditions as set out in IF d any acceptable variations to it a	e manufacture'rs quality system, relating to the Ex product oly with the IECEx Quality system requirements. This ECEx Scheme Rules, IECEx 02 and Operational specified in the schedule of this certificate and the identifie
IEC 60079-0 : 2000	omply with the following standard Electrical apparatus for explosi	is: ive gas atmospheres - Part 0: General requirements
Edition: 3.1 IEC 60079-11 : 1999 Edition: 4	Electrical apparatus for explosi	ive gas atmospheres - Part 11: Intrinsic safety 'i'
This Certificate does not	t indicate compliance with electric expressly included in the	cal safety and performance requirements other than those Standards listed above.
		e examination and test requirements as recorded in
FEST & ASSESSMENT RI A sample(s) of the equipme		File Reference:
		A 20020548
A sample(s) of the equipme IECEx ATR:		

		Certificate onformity
Certificate No .:	IECEx BVS 04.0005	
Date of Issue:	2007-06-21	Issue No.: 1
		Page 3 of 5
	Schedule	
EQUIPMENT: Equipment and systems co	vered by this certificate are as follows:	
Description		
The electrical components	ne connection of sensors to transmitters. (terminals and a signal processing unit typ fastened in a metal housing.	pe 700 in accordance with
Marking		
The name of the manufactu Type Model 700C Ex ib IIB/IIC T5 Serial number Certificate number Tamb -40 °C up to +60°C	irer or his trademark	
CONDITIONS OF CERTIFI		

						tificate rmity	
Certificate No.:	IECEx BVS	04.00	05				
Date of Issue:	2007-06-21					Issue No.: 1	
Date of 133de.	2007-00-21						
						Page 4 of 5	
QUIPMENT(continued):							
arameters							
Input circuit (terminals 1	- 4)						
Voltage		Ui	DC	17.3	V		
Current		li		484	mA		
Power		Pi		2.1	W		
effective internal capacit		Ci	2	2200	pF		
effective internal inducta	ince	Li		30	μH		
2 Output (sensor) circuits							
2.1 Drive circuit (terminals 3	- 4)						
Voltage		Uo	DC	10.5	V		
Current		lo		2.45	А		
Power		Po		2.54	W		
Internal resistance		Ri		4.32	Ω		
external values for group		-		IIC	IIB		
max. external capacitan		Со		2.41	16.8	μF	
max. external inductanc		Lo		5.9	24	μH	
max. external inductanc	e/resistance ratio	Lo/R	.0	5.5	22	μΗ/Ω	
Formular for calculation o	f maximum exterr	al ind	uctand	ce see An	inex		
2.2 Pick-off circuits (termina	ls 5 - 8)						
Voltage		Uo	DC	17.3	V		
Current		lo		6.9	mA		
Power		Po		30	mW		
external values for group				IIC	IIB		
max. external capacitan		Со		0.353	2.06	μF	
max. external inductanc		Lo		0.742	2.97	Н	
max. external inductanc	e/resistance ratio	Lo/R	0	1.19	4.75	mH/Ω	
2.3 Temperature circuit (terr	minals 1, 2 and 9)						
Voltage		Uo	DC	17.3	V .		
Current		lo		26	mA		
Power		Po		112	mW		
external values for group		-		IIC	IIB	_	
max. external capacitan		Со		0.353	2.06	μF	
max. external inductanc		Lo		52.6	210	mH	
max. external inductanc	e/resistance ratio	Lo/R	0	0.32	1.26	mH/Ω	

IECEx Certificate of Conformity				
Certificate No.:	IECEx BVS 04.0005			
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		Page 5 of 5		
DETAILS OF CERTIFICAT	E CHANGES (for issues 1 and above):			
ssue 1				
The manufacturing locatior vas added.	n Emerson Process Management Co., Ltd	l, Pudong Shanghai, People's Pepublic of China		
The manufacturer Micro M Responsible is now DNV fo	otion Inc., Boulder, United States of Amer or all production sites.	ica changed the EXCB for quality supervision.		

Annexe: Formula.pdf