

IECEx Certificate of Conformity

	ertification Scher	TROTECHNICAL O me for Explosive A he IECEx Scheme visit www.iece	tmospheres		
Certificate No.:	IECEx EPS 12.0027X	issue No.:0	Certificate history:		
Status:	Current				
Date of Issue:	2012-10-24	Page 1 of 3			
Applicant:	ecom instruments GmbH Industriestraße 2 97959 Assamstadt Germany				
Electrical Apparatus: Optional accessory:	Intrinsically Safe Speaker Microphone, type Ex-TRA 800 Aurelis				
Type of Protection:	Ex ib IIC T4 Gb, Ex ib IIIC T130°C Db				
Marking:	Ex ib IIC T4 Gb Ex ib IIIC T130°C Db IECEx EPS 12.0027X				
Approved for issue on be Certification Body:	d for issue on behalf of the IECEx Achim Hänchen tion Body:				
Position:		Head of certification			
Signature: (for printed version)					
Date:					
 This certificate and schedule may only be reproduced in full. This certificate is not transferable and remains the property of the issuing body. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website. 					
Certificate issued by:			(IVA		
Bureau Veritas Consumer Products Services Germany GmbH Businesspark A96 86842 Türkheim Germany UREAU					

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Manufacturer:	ecom instruments GmbH Industriestraße 2 97959 Assamstadt Germany			
Manufacturing location(s):				
This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.				
	nd any acceptable variations to it specified in comply with the following standards:	the schedule of this certificate and the identified		
IEC 60079-0 : 2011	: 2011 Explosive atmospheres - Part 0: General requirements			
Edition: 6.0 IEC 60079-11 : 2011- 06 Edition: 6.0	Explosive atmospheres - Part 11: Equipm	ent protection by intrinsic safety "i"		
This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.				
TEST & ASSESSMENT R A sample(s) of the equipme	EPORTS: ent listed has successfully met the examinati	ion and test requirements as recorded in		
Test Report: DE/EPS/ExTR12.0035/00				
Quality Assessment Repor	<u>t:</u>			
DE/PTB/QAR07.0004/00	DE/PTB/QAR07.0004/01	DE/PTB/QAR07.0004/02		

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	Sche	edule		
EQUIPMENT: Equipment and systems covered by this certificate are as follows:				
The speaker microphone of type Ex-TRA 800 Aurelis is an accessory for the Digital TETRA Radio THR9 Ex manufactured by ecom which is approved under IECEx CoC no. IECEx IBE 10.0009X. The speaker microphone is supplied by the Digital TETRA Radio. It is housed in a plastic enclosure and is connected to the Digital TETRA Radio by means of a multi-core supply and signal cable. The basic unit is manufactured in various versions. In addition to an internal loudspeaker and microphone external headsets of various manufacturers that are partly separately certified or that are specifically approved for connection to the speaker microphone can be connected to the Ex-TRA 800 Aurelis.				
Intrinsic safe output circuit of Ex-TRA 800 for the supply of headsets with the following maximum values:				
lo_ Po	$I_0 HD = 0.116 A$ Po_HD = 0.110 W			
The following associate Ex-TRA PTT-EH Ex-TRA PTT-E Ex-TRA NB Ex-TRA VT Ex-TRA FTS Ex-TRA FT Ex-TRA ComCom	d headsets may be connected:			
Invisio H-M3, manufactu H-M3-2-R1110X-E1X H-M3-2-L1110X-E1X H-M3-2-R1110X-E2X H-M3-2-L1110X-E2X	ured by Invisio, approved under l	ECEx TUN 10.0009 with the following types:		
CONDITIONS OF CERTIFICATION: YES as shown below:				
Ambient temperature range: -20°C ≤ Ta ≤ +55°C				