IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx DEK 13.0038X	Issue No: 0	Certificate history: Issue No. 0 (2013-12-23)
Status:	**Current**	Page 1 of 4	
Date of Issue:	**2013-12-23**		

Applicant: **Measurement Technology Limited**
Great Marlings,
Butterfield, Luton,
Bedfordshire
LU2 8DL
United Kingdom

Electrical Apparatus: **Ex ic voltage limiter, types F30 Ex ic adapter and F30-PC Ex ic adapter.**
Optional accessory:

Type of Protection: **Ex nA**

Marking: Ex nA IIC T4 Gc

Approved for issue on behalf of the IECEx Certification Body: R. Schuller

Position: Certification Manager

Signature:
(for printed version)

Date: 2013-12-23

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

DEKRA Certification B.V.
Meander 1051,
6825 MJ Arnhem
The Netherlands

DEKRA

IECEx Certificate of Conformity

Certificate No:	IECEx DEK 13.0038X	Issue No: 0
Date of Issue:	**2013-12-23**	Page 2 of 4

Manufacturer:

Measurement Technology Limited
Great Marlings,
Butterfield, Luton,
Bedfordshire
LU2 8DL
United Kingdom

Additional Manufacturing location(s):

MTL Instruments Pvt Limited
No 3 Old Mahabalipuram Road
Sholinganallur
Chennai 600119
India

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.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-15 : 2010 Edition:4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

NL/DEK/ExTR13.0038/00

Quality Assessment Report:

GB/BAS/QAR06.0022/04 GB/BAS/QAR07.0017/04

IECEx Certificate of Conformity

Certificate No:	IECEx DEK 13.0038X	Issue No: 0
Date of Issue:	**2013-12-23**	Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Ex ic voltage limiter, types F30 Ex ic adapter and F30-PC Ex ic adapter, is intended to be connected downstream of a 918x carrier 8-Segment Redundant Fieldbus Power Supplies, Certified per IECEx BAS 11.0119X, fitted with one or more Fieldbus power supply units type 9192-FP and typically a passive Host for data monitoring and control.
The trunk output shall be connected to a F3xx Megablock Certified under IECEx FMG 11.0017.

Type F30 Ex ic adapter is supplied with screw terminal connectors and type F30-PC Ex ic adapter is supplied with spring clamp connectors.

Ambient temperature range -40 °C to +70 °C.

CONDITIONS OF CERTIFICATION: YES as shown below:

When installed in an explosive gas atmosphere, the Ex ic voltage limiter, types F30 Ex ic adapter and F30-PC Ex ic adapter shall be placed in an enclosure that meets the requirements of an appropriate, recognized type of protection in accordance with IEC 60079-0.

IECEx Certificate of Conformity

Certificate No:	IECEx DEK 13.0038X	Issue No: 0
Date of Issue:	**2013-12-23**	Page 4 of 4

EQUIPMENT (continued):

Electrical data
Input: "Trunk in" (Terminals +, shield and –)
Maximum working voltage Um = 21V d.c. and a current per segment Im = 300mA, or
Maximum working voltage Um = 24V d.c. and a current per segment Im = 200mA.
P_{max} = 2W.

Output: "Trunk out to Megablock" (Connector +, shield and –)
Maximum output voltage Uo = 17.5 V and maximum output current Im = 300mA

Installation instructions
The instructions and control drawing SCI-1073 provided with the equipment shall be followed in detail to assure safe operation.