



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 CSA 09.0002	Issue No: 2	<u>Certificate history:</u> Issue No. 2 (2015-02-03) Issue No. 1 (2011-02-11) Issue No. 0 (2009-04-01)
Status:	Current	Page 1 of 5	
Date of Issue:	2015-02-03		
Applicant:	Kurz Instruments Inc. 2411 Garden Rd. Monterey, CA 93940 USA United States of America		
Electrical Apparatus: <i>Optional accessory:</i>	MFT B-Series Mass Flow Transmitters		
Type of Protection:	Ex d		
Marking:	Ex d IIB+H2 Gb IP66 24Vdc, 1 A * Electronics Housing: * Ta= -40 to 65 °C Tcode= T4 * Sensing Element: * Ta= -40 to 45 °C T4; OR Ta= -40 to 110 °C T3 85-264 VAC, 24W, 50/60 Hz, 1 Phase * Electronics Housing: * Ta= -40 to 50 °C T4; OR Ta= -40 to 65 °C Tcode= T150 °C * Sensing Element: * Ta= -40 to 45 °C T4; OR Ta= -40 to 110 °C T3		

Approved for issue on behalf of the IECEx
Certification Body:

Dorin Stochitoiu

Position:

Technical Advisor

Signature:
(for printed version)

Date:

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](http://www.iecex.com).

Certificate issued by:



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CSA International
178 Rexdale Boulevard
Toronto, Ontario M9W 1R3
Canada
and
1707 - 94th Street
Edmonton, AB T6N 1E6
Canada





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Manufacturer: **Kurz Instruments Inc.**
2411 Garden Rd.
Monterey, CA 93940 USA
United States of America

Additional 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.

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 : 2007-10 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:5
IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6

*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:

[CA/CSA/ExTR09.0003/00](#) [CA/CSA/ExTR09.0003/01](#) [CA/CSA/ExTR09.0003/02](#)

Quality Assessment Report:

[US/FMG/QAR09.0003/03](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Model Codes: 454FTB-a, 454FTB-WGF-a, 454PFTB-16, 454WGF-a, 504FTB, 524FTB-b, 534FTB-c, 544FTB-d where suffixes a, b, c and d denote flowbody size, SC board and Sensor options.

Note: refer to manufacturer drawing 280144 Rev D for specific model information.

CONDITIONS OF CERTIFICATION: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1 - this Issue introduced the following changes:

1. The addition of new sensor control board 420380 was endorsed.
2. A new model, 454WGF, was introduced.
3. Following appropriate re-assessment to demonstrate compliance with the requirements of the IEC 60079 series of standards, the documents previously listed IEC 60079-0:2004 Ed 4 and, IEC 60079-1:2001 Ed 4 were replaced by those currently listed, the markings were updated accordingly.
4. Documentation changes relating to the new sensor board and new model were recognised.

Issue 2 - This issue introduced the following changes:

- Add new model 454FTB-WGF-a that used identical electrical, Ex d enclosure and isolation seal constructions as the approved model 454FTB-a, except this design has a different sensor than previously tested. It only differs in the spacing of its two RTD elements which has no impact to the existing certification.
- Update the documentation list to include the new model 454FTB-WGF-a and the associated drawings. Revised the equipment labels per the IECEx marking requirements. Added new drawings to provide better description of the equipment configurations and the routine pressure test procedure.
- Change the Electronics Housing DC version temperature rating to single range, -40 to 65 °C, and the T-code from T110 °C to T4.