



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

Certificate No.: IECEx CSA 12.0020 Issue No: 1 Certificate history:  
Status: **Current** Page 1 of 5 [Issue No. 1 \(2015-09-25\)](#)  
Date of Issue: **2015-09-25** [Issue No. 0 \(2013-03-26\)](#)

Applicant: **Terra Metrics Inc., dba. Whitlock Instrument**  
1300 North Texas  
Odessa, TX 79761  
**United States of America**

Electrical Apparatus: **DNFT Digital No Flow Timer**  
*Optional accessory:*

Type of Protection: **Ex d, mb**

Marking:  
Ex d mb IIC T5 Gb  
Ta: -40°C to +55°C

*Approved for issue on behalf of the IECEx  
Certification Body:*

Dorin Stochitoiu

*Position:*

Technical Advisor

*Signature:  
(for printed version)*

*Date:*

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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:



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CSA Group  
178 Rexdale Boulevard  
Toronto, Ontario M9W 1R3  
Canada  
and  
1707 - 94th Street  
Edmonton, AB T6N 1E6  
and  
8503 East Pleasant Valley Road,  
Independence, Ohio, USA  
44131-5516  
Canada





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Manufacturer: **Terra Metrics Inc., dba. Whitlock Instrument**  
1300 North Texas  
Odessa, TX 79761  
**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:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2007-04</b> Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-18 : 2009</b> Edition:3	Explosive atmospheres Part 18: Equipment protection by encapsulation "m"

*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/ExTR12.0020/01](#)

Quality Assessment Report:

[CA/CSA/QAR09.0003/04](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The Digital No Flow Timer (DNFT) is a device used to monitor cycles within Progressive In-line lubrications systems. There are seven models - DNFT LED, DNFT PRG, DNFT LCC, DNFT LED 24V, DNFT PRG 24V, DNFT LCC 24V, and the DNFT PRX. The first three models have an enclosed single 3.6 Volt lithium battery as a power source. The second three models are powered from an external 24Vdc supply. The last model, the DNFT PRX proximity sensor model, does not have a battery or 24Vdc power. All models except the DNFT PRX have an encapsulated PCB.

Terra Metrics dba Whitlock Instruments allows Ariel Corporation to ship the DNFT under the models numbers A-10753 (Same as DNFT LED preprogrammed for 3 minute alarm time) A-10754 (Same as DNFT PRG) A-10772 (Same as DNFT LED preprogrammed with 45 sec alarm time) A-18255 (Same as DNFT PRX) A-20514 (Same as DNFT LED 24V) A-20513 (Same as DNFT PRG 24V).

The products are shipped labeled with Terra Metrics, dba, Whitlock instruments as the manufacturer. The Ariel name is also present on the marking.

**CONDITIONS OF CERTIFICATION: NO**



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

Issue 1 - Additional of alternate markings 'Ariel Corporation' and model numbers. Terra Metrics, dba, Whitlock Instrument remains as the manufacturer and this information appears on the nameplate with the alternate markings.