



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.: **IECEX CSA 12.0020** Page 1 of 4 [Certificate history:](#)
Status: **Current** Issue No: 2 [Issue 1 \(2015-09-25\)](#)
[Issue 0 \(2013-03-26\)](#)
Date of Issue: 2020-05-12
Applicant: **Terra Metrics Inc., dba. Whitlock Instrument**
1300 North Texas
Odessa, TX 79761
United States of America
Equipment: **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:

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 www.iecex.com or use of this QR Code.



Certificate issued by:

CSA Group
178 Rexdale Boulevard
Toronto, Ontario M9W 1R3
Canada





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

Additional
manufacturing
locations:

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 equipment 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 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-1:2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6

IEC 60079-18:2009 Explosive atmospheres Part 18: Equipment protection by encapsulation "m"
Edition:3

This Certificate **does not** indicate compliance with 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/ExTR12.0020/02](#)

Quality Assessment Report:

[CA/CSA/QAR09.0003/06](#)



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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.

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1

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.

Issue 2.

1. Integrate updated label drawings as a result of with new Notified Body number in associated ATEX certs.