



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 ITS 07.0005X issue No.:0 History:.....

Status: **Current**

Date of Issue: **2007-03-22** Page 1 of 3

Applicant: **Hawk Measurement Systems Pty Ltd**
15 - 17 Maurice Cr
Nunawading
VIC 3131
Australia

Electrical Apparatus: **ST, TE, TD and Sultan Series Ultrasonic Transducers**
Optional accessory:

Type of Protection: **Encapsulation Ex m**

Marking: **Ex mb II IP68**
T5 T100 for Tamb -20°C to +65°C
T6 T85 for Tamb -20°C to +50°C

Approved for issue on behalf of the IECEx A M Smart
Certification Body:

Position: Principal Engineer

Signature:
(for printed version)

Date:

2007-08-03

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:

Intertek Testing & Certification Ltd
ITS House, Cleeve Road,
Leatherhead,
Surrey, KT22 7SB
United Kingdom

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Manufacturer: **Hawk Measurement Systems Pty Ltd**
15 - 17 Maurice Cr
Nunawading
VIC 3131
Australia
Australia

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 manufacture'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 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-18 : 2004 Edition: 2.0	Electrical apparatus for explosive gas atmospheres - Part 18: Construction, test and marking of type of protection encapsulation 'm' electrical apparatus
IEC 61241-1-1 : 1999 Edition: 2	Electrical apparatus for use in the presence of combustible dust - Part 1-1: Electrical apparatus protected by enclosures and surface temperature limitation - Specification for apparatus

*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:

GB/ITS/ExTR07.0009/00

Quality Assessment Report:

GB/ITS/QAR06.0001/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

This range of Hawk Ultrasonic transducers are designed to facilitate the continuous level measurement of solids and liquids in sumps, silos and similar storage vessels. The transducers are fully encapsulated and are enclosed in thermoplastic housings.

Rated voltage: up to 30V

CONDITIONS OF CERTIFICATION: YES as shown below:

1. It is a condition of safe use that the apparatus must not be installed in direct sunlight or in an area of concentrated lighting.
2. It is a condition of safe use that the apparatus must not be installed in an acetic acid environment.
3. It is a condition of safe use that the apparatus supply cable must be connected to a maximum voltage of 30 V in a safe area or to an intrinsically safe supply.