

# EC Declaration of Conformity

**Expro Meters, Inc**  
50 Barnes Park North  
Wallingford, Connecticut 06492 USA

do herewith declare that the **ActiveSONAR™ QEX1000 Flow Metering System**

with model numbers      QEX1000x-x-Ay      Flow Metering System

*comprised of*      FT1000-x-x-x-x-x-x-Ay      Flow Transmitter Assy  
                            JB1000-x-x-x-x-x-x-Ay      Junction Box Assy  
                            TA1000-x-x-x-x-x-x-x-Ay      Transducer Assy (qty 2)  
                            MA1000-x-x-x-x-x-x-Ay      Mounting Clamp Assy  
                            DOC1000-ABY-x-x-Ay      Documentation Pkg  
                            FTB1000-x-x-x-x-Ay      Flow Transmitter Bracket  
                            INK1000-x-x-x-x-Ay      Installation Kit

*and optional*      CAK1000-x-x-x-x-x-x-Ay      Cover Assy Kit

*(where x represents 1 or more alphanumeric characters  
and y represents 0 or more alphanumeric characters)*

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*is in conformity with the provisions of the following EC Directives when installed in accordance with the installation instructions and with the Ex Safety Instructions (ECD00022) provided with the QEX1000 Flow Metering System:*

2006/95/EC	Low Voltage Directive (LVD)
2004/108/EC	Electromagnetic Compatibility (EMC) Directive [QEX1000 is categorized as Group 1, Class A ISM equipment.]
94/9/EC	Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres (ATEX) Directive

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*and that the standards referenced below have been applied:*


EN61010-1:2001	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements
EN 55011:2007 + A2:2007	Industrial, Scientific, and Medical (ISM) Radio-Frequency Equipment – Electromagnetic Disturbance Characteristics – Limits and Methods of Measurement (CISPR 11:2003)


EN 61326-1:2006	Electrical Equipment for Measurement, Control and Laboratory Use – EMC Requirements – Part 1: General Requirements
EN 61326-2-3:2006	Electrical Equipment for Measurement, Control and Laboratory Use – EMC Requirements – Part 2-3: ... Transducers ...
EN 60079-0:2009	Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements
EN 60079-1:2007	Explosive Atmospheres - Part 1: Equipment Protected by Flameproof Enclosures 'd'
EN 60079-18:2004 + Corrigendum: 2006-04	Electrical Apparatus for Explosive Gas Atmospheres - Part 18: Construction, Test, and Marking of Type of Protection Encapsulation 'm' Electrical Apparatus
EN 13463-1:2001	Non-electrical equipment for Potentially Explosive Atmospheres– Part 1: Basic Method and Requirements
EN 60529:1991 +A1:2000	Degrees of Protection Provided by Enclosure (IP Code)

ATEX markings:


QEX1000 II 2 G Ex d mb IIB T6...T4 -45°C (-50°C) ≤ Ta ≤ +60°C IP66/67

FT1000  II 2 G Ex d IIB T6...T4 -50°C ≤ Ta ≤ +60°C IP66

JB1000  II 2 G Ex d IIB T6...T4 -50°C ≤ Ta ≤ +60°C IP66

TA1000  II 2 G Ex mb IIB T6...T4 -45°C ≤ Ta ≤ +60°C IP67

*Name:* Patrick Curry *Title:* General Manager  
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*Signature:*   
*Date:* 1 March 2010

*Year of CE Marking:* 2009

*Notified Body:* FM Approvals Ltd.  
1 Windsor Dials, Windsor, Berkshire, UK. SL4 1RS

*Notified Body #:* 1725

*ATEX Certificate:* FM09ATEX0038X  
Certificate addresses EN 60079-0, EN 60079-1, EN 60079-18, and EN 60529.