

HON 07 Ex nA 51453780, Revision B

Certificate of Manufacturer

Ex II 3 G Ex nA IIC ATEX CE

European Community Declaration of Conformity for Group II Category 3 G in accordance with Directive 94/9/EC applies to the following apparatus:

XYR 6000 Wireless Transmitters

This apparatus has no ignition capable hot surfaces and conforms to EN 60079-0 and EN 60079-15 for operation in Zone 2 hazardous areas providing the following conditions are observed. This apparatus contains no intrinsically safe or energy limiting components. The Wireless Transmitters are powered by two 3.6 V, 19 Ah lithium batteries in series. The battery supply is limited to 7.2 V at 1.44 A and Model STIW600 High Level Analog Input (HLAI) may additionally be connected to a source not exceeding 30 Vdc and 125 mA. The Wireless Transmitter's RF transceiver operates at 2.4 GHz with a maximum RF output power (EIRP) \leq 100 mW (20 dBm). The Wireless Transmitter enclosures are rated IP66/67.

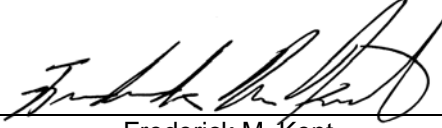
The models covered by this Declaration are listed in, and evidence of conformity is provided by Technical File: 51453781

Conditions for the application of the above apparatus in Zone 2 hazardous areas:

1. The installation of this apparatus in Zone 2 hazardous areas must comply with EN 60079-0, EN 60079-15 and/or valid national standards for installation and operation.
2. Before commissioning of the STIW600 HLA I apparatus, it must be verified that the loop supply voltages shall not exceed 30 Vdc.
3. The electronic assemblies in these units are non-repairable items and if faulty must be replaced. The electrical loop power supply to the STIW600 HLA I apparatus must be switched off before any replacement and during any time that the wiring terminations are being connected or disconnected.
4. To prevent ignition of a hazardous atmosphere, batteries must only be changed when the area is known to be nonhazardous.
5. The technical data supplied by the manufacturer must be adhered to.

This apparatus satisfies the EMC requirements of 1999/5/EC, Telecommunications Directive, and 89/336/EEC, Electromagnetic Compatibility Directive as amended by 92/31/EEC and 93/68/EEC on the approximation of the laws of the Member States relating to Electromagnetic Compatibility, and 73/23/EEC, the Low Voltage Directive. The following standards are referenced in the file: EN 61010-1-2001, EN 300 328 V1.7.1, EN 301 893 V1.3.1, EN 301 489-17 V1.2.1, EN 301 489-1 V1.6.1 and EN 61326-1 (1st Edition, 2002-02, Industrial Locations).

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XYR 6000 Wireless Transmitters

Model	Series	Description
STGW944	900, Dual Head Gage Pressure (GP)	0-20 to 0-500 psi / 0-1.4 to 0-35 bar
STGW974		0-300 to 0-3000 psi / 0-21 to 0-210 bar
STDW924	900, Differential Pressure (DP)	0-10" to 0-400" H ₂ O / 0-25 to 0-1000 mbar
STDW930		0-5 to 0-100 psi / 0-0.34 to 0-7 bar
STDW974		0-100 to 0-3000 psi / 0-7 to 0-210 bar
STGW94L	900, In-Line Gage & Absolute Pressure	0-20 to 0-500 psi / 0-1.4 to 0-35 bar
STGW97L		0-100 to 0-3000 psi / 0-7 to 0-210 bar
STGW98L		0-100 to 0-3000 psi / 0-7 to 0-210 bar
STAW94L		0-20 to 0-500 psi / 0-1.4 to 0-35 barA
STTW400	400, Temperature Transmitter	Transmitter Only: T/C's / RTD's
STTW450		Transmitter Integrally Mounted to Thermowell or Probe Assembly
STIW600	600, High Level Analog Input (HLAI)	0/4-20 mA or 0/1-5 V Input
CETW6000M	6000M, SmartCET Corrosion Monitoring Transmitter	Millivolt Input from Remote Mounted Corrosion Probe

Specifications for all transmitters:

Ambient temperature limits:	-40 to 85°C
Temperature Classification:	T4 at Ta ≤ 85°C

Specifications for STIW600 transmitter for connection in Zone 2:

Supply Voltage, U _i :	≤ 30 Vdc
Supply Current, I _i :	≤ 125 mA