

Declaration of Compliance

Manufacturer	Guided Ultrasonics Ltd
Address	Wavemaker House 3 Brentwaters Business Park, The Ham Brentford TW8 8HQ United Kingdom
Equipment Type	gPIMS(Ex) connector station

This section outlines the assessment of the Connector Station in accordance with clause 5.7 of IEC 60079-11: 2011 / EN 60079-11: 2012 and clause 8.3 of IEC 60079-0: 2011 / EN 60079-0: 2012 + A11: 2013.

The connector station is considered a simple apparatus with the following characteristics:

- It contains only intrinsically safe connections to one gPIMS[®](Ex) sensor and cable and no other electrical connections;
- It has no sources of stored energy;
- It has no sources of generated energy.

Further, in accordance with the standards mentioned above, the following has been considered:

- The connector station does not achieve safety by inclusion of voltage and/or current-limiting and/or suppression devices;
- It does not contain any means of increasing the available voltage or current;
- It is not necessary that the connector station maintains electrical isolation from earth;
- The connector station body and mounting bracket are made from stainless steel. The body of the Souriau connector is made from aluminium alloy (zinc-nickel plated) and must be protected from impact and abrasion when located in an area classified as Zone 0 or 1. A warning message has been included on the connector station body;
- Neither the gPIMS[®](Ex) Sensor and cable nor the connector station can be supplied with electrical energy via its connectors when connected to each other. Due to there being negligible temperature rise of the connector station, the connector station can be allocated a temperature classification of T6 in ambient temperatures of up to 80°C and a temperature classification of T5 in ambient temperatures of up to 90°C.

Place and date of issue: Brentford 24 May 2018

Signature: 

Dr Thomas Vogt

Director for gPIMS Monitoring and Services