

## Declaration of Conformity

Sensornet Ltd, located at 340 Centennial Park, Elstree, London, WD6 3TJ- United Kingdom.  
We hereby declare that the devices described below are in conformity with the directives listed.  
This declaration is issued under the sole responsibility of the manufacturer. In the event of unauthorized modification of any devices listed below, this declaration becomes invalid.

Type: Sentinel optical fiber distributed temperature sensor Product Models:

- SEN2-LR (uses a 1064nm Laser Diode)
- SEN2-XRM12 (Multimode operation, using a 1550nm Laser Diode)
- SEN2-XRM20 (Multimode operation, using a 1550nm Laser Diode)
- SEN2-XRM30 (Multimode operation, using a 1550nm Laser Diode)
- SEN2-XXRM45 (Multimode operation, using a 1550nm Laser Diode)
- SEN2-XRS (uses a 1550nm Laser Diode) Relevant EC

Directives and Harmonized Standards:

2014/35/EU, Low Voltage Directive

LVD Harmonized Standards: EN 61010-1 3rd Edition (EN 61010 Lab, Measurement, Control)

2014/30/EU, Electromagnetic Compatibility directive.

The product(s) to which this declaration relates is in conformity with the essential protection requirements of 2014/30/EU Electromagnetic Compatibility directive. The products are in conformity with the following standards and/or other normative documents:

EMC: Harmonized Standards: EN 61326-1:2013 Lab Equipment, EMC  
EN55022/CISPR22 Radiated and Conducted Emission standard for residential, commercial and light-industrial environments IEC61000-4-2:2008 Electrostatic discharge immunity test  
IEC61000-4-3:2006 Radiated radio-frequency electromagnetic field immunity test  
IEC61000-4-4:2012 Electrical fast transient/burst immunity test IEC61000-4-5:2008 Surge immunity test  
IEC61000-4-6: 2013 Immunity to conducted disturbances, induced by radio-frequency fields  
IEC61000-4-11 2008 Voltage dips, short interruptions and voltage variations immunity tests.

The Sentinel AX product models below are certified to ISO80079-34 for explosive environments [Ex op is Ma] I Tamb -20°C to +40°C for mining application under certificate no. 17ATEX9354

- SEN2-AX-12
- SEN2-AX-20
- SEN2-AX-30

Directives: 2014/34/EU, Potentially Explosive Atmospheres Directive

Standards: EN 60079-0:2012, EN 60079-28:2015

The Sentinel XR product models below are certified to ISO80079-34 for explosive environments, II (3) G [Ex op is T4 Gc] IIC, for use in the Oil & Gas application under certificate no. 13ATEX9136

- SEN2-LR (uses a 1064nm Laser Diode)
- SEN2-XRM12 (Multimode operation, using a 1550nm Laser Diode)
- SEN2-XRM20 (Multimode operation, using a 1550nm Laser Diode)
- SEN2-XRM30 (Multimode operation, using a 1550nm Laser Diode)
- SEN2-XXRM45 (Multimode operation, using a 1550nm Laser Diode)
- SEN2-XRS (uses a 1550nm Laser Diode) Relevant EC

Directives: 94/9/EC, Potentially Explosive Atmospheres Directive

Standards: EN 60079-0:2012, EN 60079-28:2007

I hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications. The items comply with all applicable Essential Requirements of the Directives.

Mike Cowan



Date: 09<sup>th</sup> Nov 2017.

**This is an Ex related drawing / document. It can ONLY be changed with the prior approval of the ATEX Representative**