



## **Crowcon Technical Note**

Document Reference: XIQ007

Document applies to: XgardIQ – Pellistor sensors, covering various gases

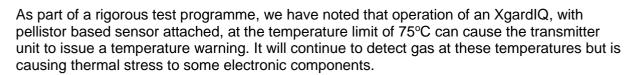
Release Date: 6<sup>th</sup> May 2021

Subject: XgardIQ High Temperature Operations

This technical note applies to Xgard IQ pellistor (%LEL) sensor modules used with the following gases...

Methane CH<sub>4</sub>, sensor module part XIQ-AA

- Propane C<sub>3</sub>H<sub>8</sub>, sensor module part XIQ-AB
- Pentane C<sub>5</sub>H<sub>12</sub>, sensor module part XIQ-AC
- Hydrogen H<sub>2</sub>, sensor module part XIQ-AF
- LPG, sensor module part XIQ-BW
- Ethanol C<sub>2</sub>H<sub>5</sub>OH, sensor module part **XIQ-BD**
- Benzene C<sub>6</sub>H<sub>6</sub>, sensor module part XIQ-BE
- Heptane C<sub>7</sub>H<sub>16</sub>, sensor module part **XIQ-BF**
- Acetylene C<sub>2</sub>H<sub>2</sub>, sensor module part XIQ-CL



## **Solution**

Where sensor operation is required right up to the limit of 75°C, then it is recommended that the sensor is installed with the Remote Sensor Assembly and the Transmitter is sited in a cooler location (less than 70°C).

The Xgard IQ Remote Sensor Assembly part numbers are: -

- ➤ S012325 Remote Sensor Assembly (5m cable)
- ➤ S012331 Remote Sensor Assembly (15m cable)



All other types of sensor have a lower temperature limit and transmitter temperature warnings are not observed.

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