

	Technical Note	11/07/2008
	Change of Pellistors Document Reference: GEN041 (Was SEN010)	

**Product: XGard Types 3 & 5, Xsafe and Flamgard plus**

**Subject: Change of standard pellistor**

From July 2008 Crowcon's pellistor-based flammable gas detectors will utilise the E2V VQ21T pellistor instead of the City Technology 300P.

Over the past 3-4 years the VQ21T has proven to provide more stable performance and longer life. By changing to the VQ21T pellistor Crowcon products will provide superior performance at no extra cost. Spare Xgard sensor modules will also use the VQ21T exclusively (no changes are required to 300P equipped detectors), and 96HD spare detectors will be available with either 300P or VQ21T pellistors.

Effect on products:

- **Xgard Type 3 & 5 and Xsafe:** the 300P will no longer be an option for complete detectors or spare modules. As the necessary gain resistors are fitted to the sensor module no modifications are necessary to the products when switching pellistors.
- **Flamgard Plus:** the 300P will no longer be an option for complete detectors. Spare 96HD heads and sensor modules will still be available with either 300P or VQ21T. When switching from 300P to VQ21T pellistors the Bridge Voltage (across test point A) must be set to 310mV. Refer to the Flamgard Plus instruction manual for details.
- **96HD:** the spare 96HD detector head and spare sensor modules will still be available with a choice of 300P or VQ21T pellistors. This means that Flamgard 4-20, Flamgard Exe, Flamgard D detectors can be supported without modification.
- **Flamsafe:** spare detector heads (part number S011024) will continue to be supplied with 300P pellistors fitted.