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## Radiation-resistant Accelerometers

Monitran's MTN/1100-R accelerometers are ideal for long-term vibration monitoring in harsh radiation environments.

**High Wycombe, United Kingdom** – Monitran, a leader in the development and manufacture of transducers for the measurement of vibration, proximity and displacement, has launched the MTN/1100-R series of radiation-resistant constant current accelerometers.

Developed for use in nuclear power stations, the sensors, which are top-entry and sealed to IP67, have a radiation resistance of 10Mrads and are well-suited for long-term vibration monitoring in a variety of harsh radiation environments.

Andy Anthony, Managing Director of Monitran, comments: "As a manufacturer of sensors, and with our talented engineering department, we pride ourselves on being able to develop and make fit-for-purpose sensors, whatever the requirements."

Monitran's MTN/1100-R series accelerometers have a frequency response of 2Hz to 10kHz  $\pm 5\%$ , a dynamic range of  $\pm 80g$  and a standard sensitivity of 100mV/g; with other sensitivities available upon request.

Mounting options include  $\frac{1}{4}$ "-28UNF, for the MTN/1100-R, and Monitran's own Quick Fit mount, for the MTN/1100Q-R.

The MTN/1100-R and MTN/1100Q-R radiation-resistant accelerometers are available immediately, and the MTN/1100-R series datasheet can be downloaded from [www.monitran.com/products/mtn1100-r/](http://www.monitran.com/products/mtn1100-r/).

**MAIN ENDS**

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### **About Monitran**

Established in 1986 and based near High Wycombe in the UK, Monitran is a world leader in the development and manufacture of sensors and systems for vibration and displacement measurement. The company has the widest range of standard vibration and displacement products available from any single supplier and has an impressive track record of customising products for bespoke applications.

With full ISO 9001:2008 approval, Monitran's products are used for monitoring vibrations in machinery such as pumps, motors, engines and drive trains as well as in a diverse range of applications including automotive, aerospace, industrial processing, power stations and wind turbines. Indeed, the products are at home in any application where vibrations or displacements provide early indications of mechanical wear or that a structure's integrity has been compromised. They are also used in other vibration related applications, such as R&D, structural testing, equipment qualification testing and calibration. For more information please visit [www.monitran.com](http://www.monitran.com)

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