

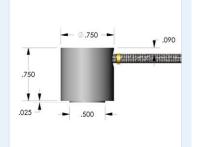


PRODUCT DATA SHEET

D9215 Sensor

High Temperature Sensor





DESCRIPTION AND FEATURES

The D9215 is a high temperature, radiation resistant differential AE sensor, specially designed for the nuclear power industry. The differential inputs give the sensors a capability to operate even in extremely noisy environments, the differential signals eliminate the common mode noise at the preamplifier improving the signal to noise ratio to the tune of 2 dB or higher. The sensor features a rugged cavity made from Inconnel 600 and an integral 2 ft long "hard-line" cable. The hardline cable is crimped to a softline twinaxial cable made from Tefzel interfaces the sensor to instrumentation. The sensor is tightly sealed by welding for use in harsh nuclear environment. The sensor has a 100 kHz resonance frequency and 80 kHz to 560 kHz bandwidth. All the materials used in this sensor have been proven for use in nuclear environments. The Maximum operating temperature of the sensor is 540°C and the softline cable can be operated at a maximum temperature of 150°C.

APPLICATIONS

The sensor is suitable for use in high temperature, radiation environments such as in Nuclear Power Plants. They can be used for monitoring high temperature equipment in power plants, aerospace engine monitoring, pipelines etc.

OPERATING SPECIFICATIONS

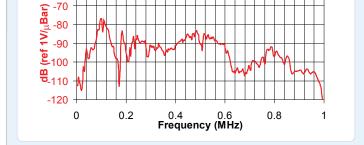
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ORDERING INFORMATION AND ACCESSORIES

Cable (specify length in '-XX' m at end of PN)	D9215 D9215
Preamp to System Cable (specify length in 'm')	Cable (specify length in '-XX' m at end of PN) 1234-X
Amplifier Subsystems AE2A, AE5A Other IS Sensors are available with various resonant	Pre-amplifier 2/4/6, 1222
Other IS Sensors are available with various resonant	Preamp to System Cable (specify length in 'm') 1234-X
	Amplifier Subsystems AE2A, AE5A
frequencies.	Other IS Sensors are available with various resonant
	frequencies.

Sensors include NIST Calibration Certificate & Warranty

- * 1. Sensor Cable must be kept without large relative motion if above 300 MRad's.
 - 2. BNC Connectors can be used beyond 1 MRad with suitable non-Teflon radiation resistant insulators.





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