清诚 QAWRUMS

W500/3

Miniature High Temperature AE Sensor 177° C, 260 kHz

Description and Features

W500/3 miniature medium and high temperature acoustic emission sensor has a resonant frequency of 260 kHz and a frequency range of 40KHz~600 kHz. Operating temperature: -60 ℃~177 ℃;

Applications

W500/3 is applicable to acoustic emission detection and monitoring of cracks and damages of pressure vessels, storage tanks, pipelines, composite materials and metal structures.

Technical Specs

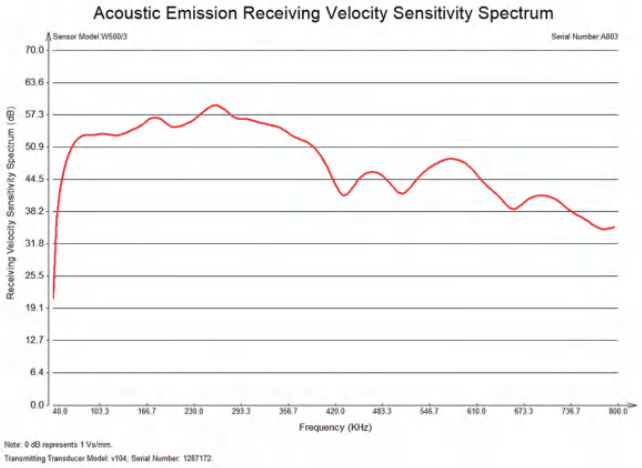
Resonant Freq. Ref V/(m/s)	260kHz
Frequency Range	40kHz-600kHz
Sensitivity Peak Ref V/(m/s)	>55dB
Working Temp.	-60 to 177℃
Size (DxH)	Φ7.8x14mm
Weight	24g
Case Material	SUS-304
Face Material	Ceramic
Protecting Grade	IP65
Connector	BNC on integral cable
Connector Location	Side
Cable Length	2m

Standards

Calibration standard	ISO 24543:2022
	GB/T 45578-2025

Accessories

Signal cable model	RG178-PFA
Hold-down	Saddle type
Preamplifier	PAS3/PAV



Certification

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