W800/1

Wideband Waterproof Sensor

Description and Features

The W800/1 is a passive piezoelectric AE sensor with wideband and waterproof characteristic. It is specially designed to provide a flat frequency response to acoustic emission signals over its entire frequency bandwidth.

Applications

It is well suited for laboratory studying of surface displacement of structures due to different AE modes. It also could be used in applications requiring frequency analysis and composites research. It could be easily mounted by a magnetic hold-down.

Technical Specs

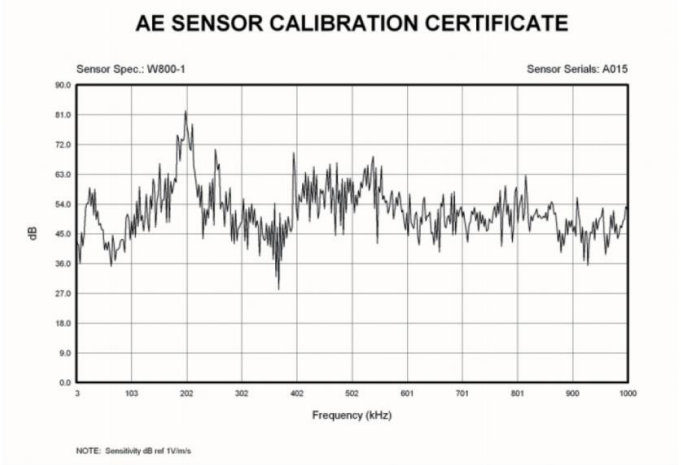
Resonant Freq. Ref V/(m/s)	600kHz
Frequency Range	50kHz-800kHz
Sensitivity Peak Ref V/(m/s)	> 58dB
Working Temp.	-20 to 120℃
Size（DxH）	19×15mm
Weight	45g
Case Material	Stainless steel/copper/aluminum
Face Material	Ceramic
Protecting Grade	IP68
Connector	BNC on integral cable
Connector Location	Side

Standards

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

Accessories

Signal cable model	SYV-50-3/ STYV-50-2
Hold-down	M20
Preamplifier	PAS3/PAV



Certification

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