GI40/2

Integral Preamplifier Underground Waterproof Sensor

Description and Features

The GI40/2 is a passive piezoelectric AE sensor, waterproof and all-metal shell features make it possible to be buried in the ground or work in the liquid for long-term monitoring.

Applications

This sensor could be used underground for monitoring geologic structures like slope. It also could be used for monitoring leakage and corrosion of storage tanks or valves and for also detecting partial discharge.

Technical Specs

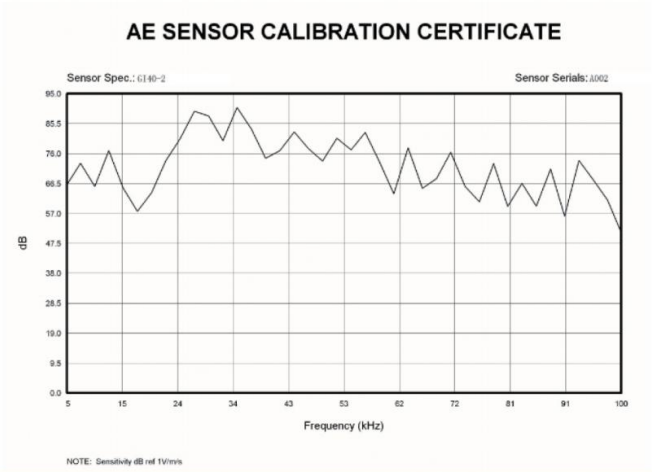
Resonant Freq. Ref V/(m/s)	40kHz
Frequency Range	15kHz-70kHz
Sensitivity Peak Ref V/(m/s)	>75dB
Integral preamplifier	40dB28V
Preamp. Impedance	50 Ω
Working Temp.	-20 to 50℃
Size（DxH）	41×92mm
Weight	1280 g
Case Material	Stainless steel/copper/aluminum
Face Material	Stainless steel
Protecting Grade	IP68
Connector	BNC on integral cable
Connector Location	Top

Standards

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

Accessories

Signal cable model	SYV-50-3/ STYV-50-2



Certification

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