GI10/1

Integral Preamplifier underground Sensor

Description and Features

The GI10/1 is a passive piezoelectric AE sensor with very low frequency response, all-metal shell features makes it reliable and could be buried in the ground for long-term monitoring.

Applications

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

Technical Specs

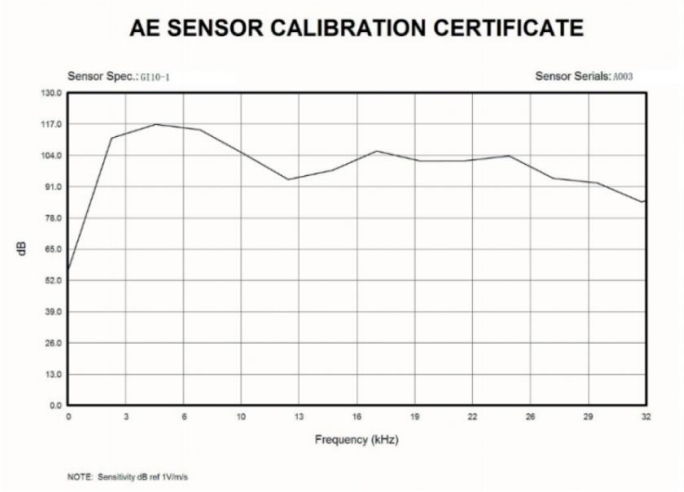
Frequency Range	1KHz-15kHz
Sensitivity Peak Ref V/(m/s)	>80dB
Integral preamplifier	34dB12V
Preamp. Impedance	50 Ω
Working Temp.	-20 to 50℃
Size（DxH）	38.5×85mm
Weight	720 g
Case Material	SUS-304
Face Material	Stainless steel
Protecting Grade	IP68
Connector	BNC on integral cable
Connector Location	Top

Accessories

Signal cable model	SYV-50-3/ STYV-50-2
Hold-down	Self-magnetic

Standards

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



Certification

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