



### Description and Features

The GI35 is a passive piezoelectric AE sensor with built-in 40dB28V preamplifier. And 15kHz-70kHz bandwidth makes it suitable for detecting low frequency acoustic emission signals.

### Applications



The low frequency response makes it suited for monitoring large objects like concrete, steel structures and geologic structures. It also could be used for monitoring leakage and corrosion of storage tanks or valves and for detecting partial discharge.

### Standards



|                      |            |
|----------------------|------------|
| Calibration standard | ISO12714   |
|                      | GB/T 19801 |

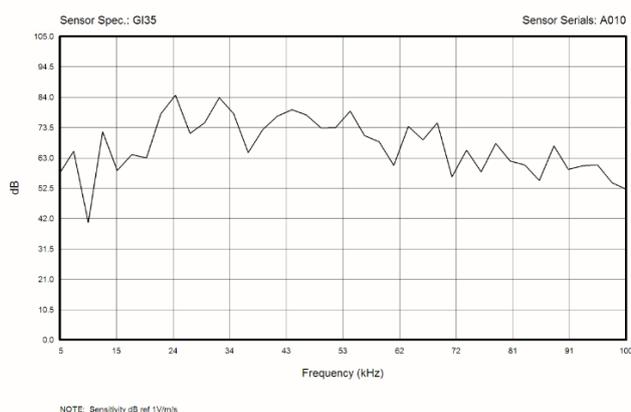
### Technical Specs

|                              |                          |
|------------------------------|--------------------------|
| 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. Size (DxH)     | -20 to 50°C<br>22×42.6mm |
| Weight                       | 79 g                     |
| Case Material                | SUS-304                  |
| Face Material                | Ceramic                  |
| Protecting Grade             | IP62                     |
| Connector                    | SMA                      |
| Connector Location           | Side                     |

### Accessories

|                    |             |
|--------------------|-------------|
| Signal cable model | RG178/RG316 |
| Hold-down          | Saddle type |

### AE SENSOR CALIBRATION CERTIFICATE



### Certification



QingCheng AE Institute (Guangzhou) Co., Ltd

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