

The GS-PC01 Pressure Cell is a robust and highly reliable instrument designed for long-term stress monitoring within concrete and hydraulic structures. Utilising proven vibrating wire technology, it delivers stable and accurate pressure measurements while also monitoring temperature at the installation point.

Manufactured from durable stainless steel, the GS-PC01 is engineered to withstand harsh environments, including underwater applications, making it ideal for demanding civil, geotechnical, and infrastructure monitoring projects.



## FEATURES

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| <b>Reliable Vibrating Wire Design:</b> | Provides stable, accurate, and long-term stress measurements with a robust and easy-to-embed structure.                              |
| <b>Stainless Steel Construction:</b>   | Impact-resistant, corrosion-resistant, and grounded for lightning protection, making it suitable for long-term underwater operation. |
| <b>Intelligent Monitoring System:</b>  | Supports intelligent information recognition, fault diagnosis, and seamless integration with cloud platforms and mobile devices.     |
| <b>Long-Term Durability:</b>           | Designed for continuous monitoring in demanding hydraulic and concrete structure applications.                                       |
| <b>Easy Installation:</b>              | Compact and practical design allows for efficient embedding within concrete structures during construction.                          |

## SPECIFICATIONS

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| <b>Model:</b>                | GS-PC01   |
| <b>Pressure Range:</b>       | 0.3 MPa / 0.6 MPa / 1 MPa / 2 MPa / 4 MPa / 8 MPa         |
| <b>Resolution:</b>           | 0.001 MPa   |
| <b>Pressure Accuracy:</b>    | 0.5% FS   |
| <b>Temperature Accuracy:</b> | ±0.5°C  |
| <b>Dimensions:</b>           | 118 mm × 123 mm × 29.5–35 mm / 198 mm × 203 mm × 28–34 mm |

## APPLICATIONS

The GS-PC01 Pressure Cell is ideal for long-term stress monitoring in hydraulic structures, dams, foundations, tunnels, retaining walls, and other concrete infrastructure. It is designed to measure internal stress conditions within concrete structures while simultaneously monitoring temperature at the embedding location, providing valuable data for structural performance assessment, safety monitoring, and long-term asset management.



For more information about the GS-PC01 Pressure Cell or to discuss your project monitoring requirements, contact the team at CESCO Equipment. Our specialists can assist with product selection, technical advice, and tailored monitoring solutions for your application.