



Sanlien Technology Corp.

# VW Earth Pressure Cell



Model: WEP

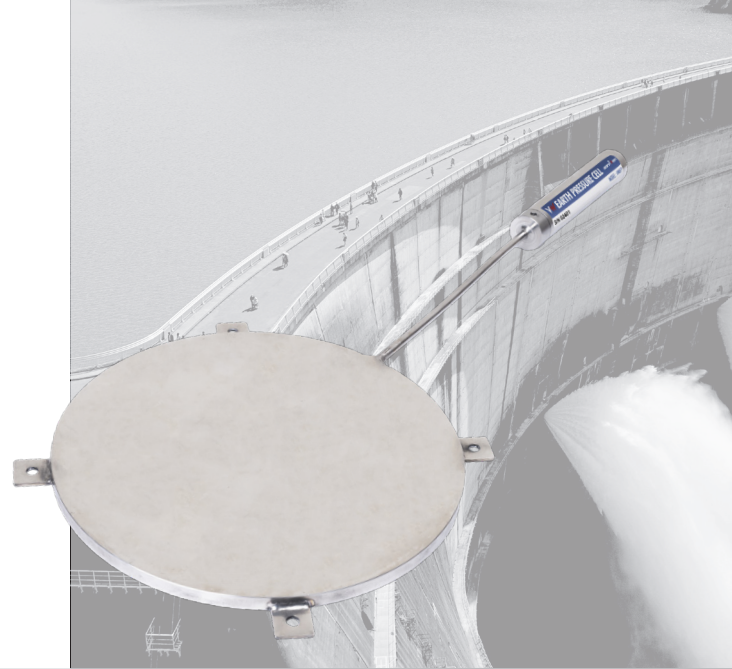
Be the frontier of environmental monitoring

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## Introduction

VW Earth Pressure Cell is crafted for the precise measurement of total pressure within earth fills and embankments.

The VW Earth Pressure Cell comprises two circular stainless steel plates, welded around their edges, housing a narrow chamber filled with de-aired oil. Variations in earth pressure compress the plates, increase oil pressure accordingly. This pressure change is detected by a vibrating wire pressure transducer, connected to the plates through a short length of steel tubing.



## Key Features



Accurate,  
Long-term Stability



Accommodates Manual or  
Remote Reading



An Over-voltage Surge  
Arrester Provides Protection  
Against Electrical Damage



Integral Thermistor



Robust Design and Reliable

## Applications

- ✓ Designed to measure the total pressure in earth fills and embankments
- ✓ Provides a direct measurement of total pressures by combining soil effective pressure and pore water pressure

## Best Suited



Excavation Walls



Fills & Embankment



Diaphragm Wall



Tunnel linings

## Specifications

Range (MPa)	0.35 / 0.5 / 0.7 / 1.0 / 2.0 / 3.0 / 5.0
Over-range Capacity	50% F.S.
Resolution	0.025% F.S.
Accuracy	± 0.1% F.S.
Temperature Range	-20 °C to 80 °C
Dimensions	Dia. 230 mm

## Be the frontier of environmental monitoring

Sanlien Technology is committed to making environments safe for humans. Hence, we insist on continuing R&D investments, perfecting our manufacturing of monitoring systems, and expanding into Smart City and IoT monitoring. With more than 1,000 local and international customers, Sanlien is trusted by global customers with high standards. By working with renowned agents around the world, we ensure the optimal performance and reliability of our services. With 50 years of profound experience in Taiwan, Sanlien has become the most exceptional provider of measuring technologies in the Asia-Pacific region. Sanlien has conceptualized the idea of being a global partner into a three-in-one strategy: long-term deployment of globalization, integration of local resources, and localized operations. We shall march on step by step with the stamina for running a marathon.

\*All prices, features, and specifications are subject to change without prior notice.

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