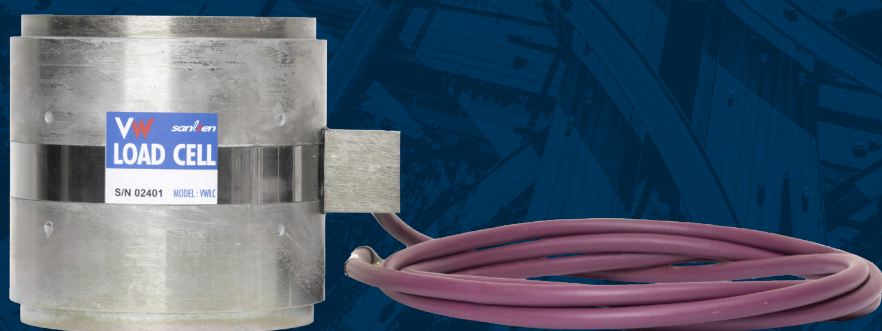




Sanlien Technology Corp.

# VW Load Cell



Model: VWLC

Be the frontier of environmental monitoring

[www.sanlien.com](http://www.sanlien.com)

## Introduction

VW Load Cell sets the standard for precision in direct load measurement, tailored for piles, rock bolts, and cable anchors. VW Load Cell features a series of up to 6 vibrating wire gauges, arranged parallel to the cell axis and evenly spaced radially within a cylindrical housing.

VW Load Cell can be integrated into monitoring system by directly wiring it to a data logger or connecting it via a sheathed cable to a readout unit through a switched terminal unit. Additionally, load cells are designed with a hole in the center to accommodate rockbolts, tendons, or anchor cables. Alternatively, it can be supplied with top and bottom load plates to function as a solid load cell.



## Key Features



Accurate,  
long-term stability



Accommodates manual or  
remote reading



Waterproof



Integral thermistor



Robust design and reliable

## Applications

- ✓ Monitoring loads in tie-backs and rock bolts within excavation walls
- ✓ Tracking tensions in cable anchors and tendons
- ✓ Measuring loads in piles and tunnel supports
- ✓ Assessing loads in arch tunnel supports
- ✓ Monitoring loads in concrete dam tie-downs

## Best Suited



Excavation Walls



Concrete Piles



Diaphragm Wall



Tunnel linings

## Specifications

|                   |                                 |
|-------------------|---------------------------------|
| Range             | 500~1000~2000~3000~4000~5000 kN |
| Over Range        | 125% F.S.                       |
| Resolution        | 0.025% F.S.                     |
| Accuracy          | ± 0.25% F.S.                    |
| Temperature Range | -20 °C to 80 °C                 |

## 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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