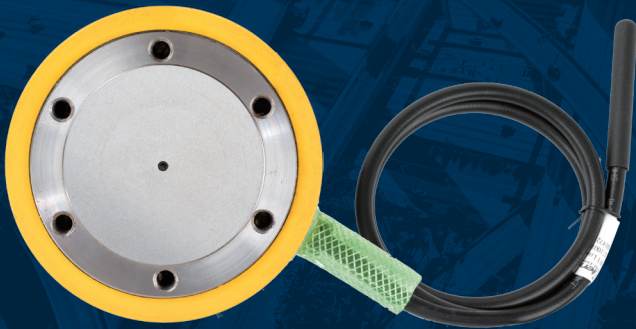
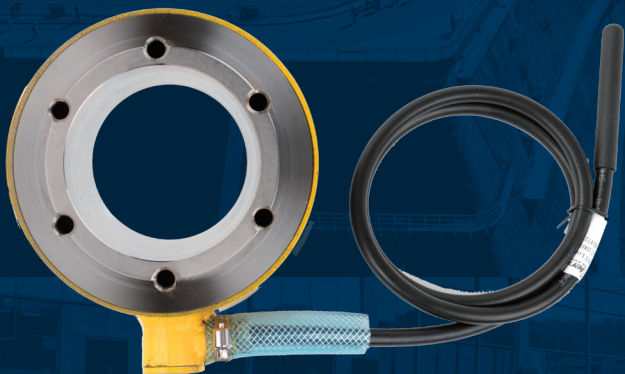


Solid Load Cell



Annular Load Cell



Introduction

Load cell is widely used in various applications such as oil and gas, transportation, and construction. Sanlien has been supplying load cells to customers for a long time. This load cell consists of 4 resistors with strain gauges evenly attached. It provides users reliable and accurate readings.

The solid and annular load cell consists of 4 active resistors, 350-ohm strain gauges evenly attached to the sensing element. The serial bridge gives an output signal of the axial force measurement system, applicable to load tests of respective stresses.



Key Features



Applicable to Various Dataloggers



Load Range from 10-1000 ton



High Accuracy

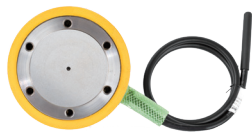


Resistance to Side Load and Bending

Applications

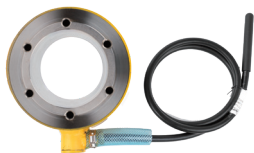
- ✓ Measurement of sectional stress of anchor bolt loading
- ✓ Measurement of sectional stress of prestressed anchors
- ✓ Measurement of sectional stress of tunnel bolts

Solid Load Cell



	GHL-10T	GHL-50T	GHL-100T	GHL-200T	GHL-300T	GHL-500T	GHL-600T	GHL-1000T
Range (ton)	10	50	100	200	300	500	600	1000
Outer Diameter (mm)	67	102	102	144	166	202	202	272
Height (mm)	80	85	100	120	130	150	160	200

Annular Load Cell



	SLC-10T	SLC-20T	SLC-50T	SLC-100T	SLC-200T	SLC-300T	SLC-500T
Range (ton)	10	20	50	100	200	300	500
Inner Diameter (mm)	30	30	60	90	100	100	100
Outer Diameter (mm)	75	102	102	144	166	201	201
Height (mm)	80	80	80	100	120	120	150

Specifications

Sensor Type	Resistant
Measuring Range	10 - 1000 ton
Inputs Resistance	350 $\Omega \pm 3.5 \Omega$
Output Resistance	350 $\Omega \pm 5 \Omega$
Max Pressure	150% R.O.
Nonlinearity	$\pm 1\%$ R.O.
Repeatability	0.3% R.O.
Insulation Resistance	2000 M Ω
Rated Output	2 mV/V $\pm 1\%$
Recommended Voltage	2 - 10 V
Working Temperature	-20°C to 100°C

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

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.

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