

# Annular Load Cell



## Specifications

Type	Resistant
Rated output	1.5mV/V $\pm$ 1%
Nonlinearity	1% R.O.
Repeatability	0.3% R.O.
Recommended voltage	2 ~ 10V
Inputs resistance	350 $\Omega$ $\pm$ 3.5 $\Omega$
Output resistance	350 $\Omega$ $\pm$ 5 $\Omega$
Insulation resistance	2000M $\Omega$
Operating temperature	-20 ~ 100 $^{\circ}$ C
Safe overload rating	150% R.O.

## Introduction

The Annular Load Cell is a full-bridge strain gauge sensor of four active resistors, 350 ohm each, equally distributed around the load cell cylinder. This arrangement enhances the accuracy and responsiveness of the load cell. It is suitable for any increase load test in dry environment. The single signal output can be read manually or automatically.

## Application

Suitable for monitoring:

- Anchor load
- Pre-stressed anchors
- Tunnel bolts
- Other sections and stress measurement.

## Type

Model	SLC-50T	SLC-100T	SLC-200T	SLC-300T	SLC-400T	SLC-500T
Range (ton)	50	100	200	300	400	500
Inner diameter (mm)	60	90	100	100	100	100
Outer diameter (mm)	102	144	166	202	202	202
Height (mm)	90	100	140	160	170	180

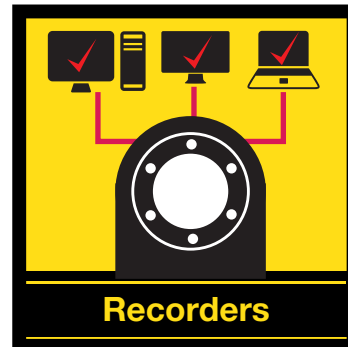
## Features



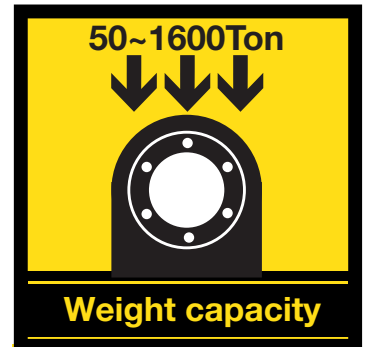
Full-bridge strain gauge sensor for high degree of accuracy.



High sensitivity and responsiveness: The load cell responds quickly to load.



Applicable to various kinds of data logger and PLC.



50 ~ 1600Ton.