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FOR WEIGH BRIDGE  
APPLICATION

An ISO 9001  
Certified Company

# SELF ALIGNING LOAD CELL



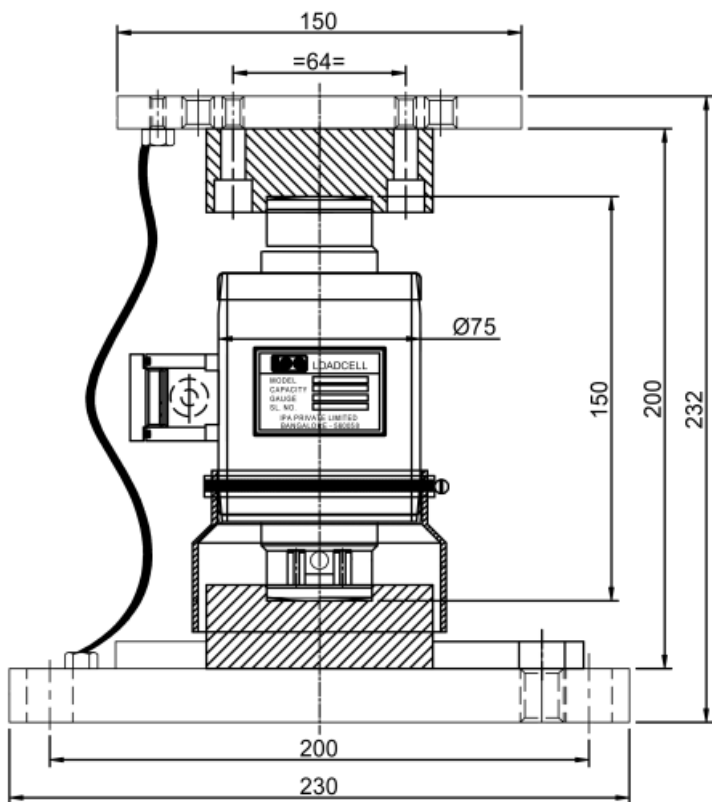
[www.ipaindia.com](http://www.ipaindia.com)

## Introduction

SA - Self Aligning load cells are single-point compression load cells, commonly called “Canister load cells”. They are built extremely rugged in comparison to any of their competitors.

Available in digital and analog versions, these load cells come with in-built lightning protection as well as anti-tilt and anti-rotation mechanisms. Ideally suited for truck weigh bridges, they work well in extremely hostile environments. The load cells comply with the IP-68 standards for Ingress Protection and undergo extensive testing before being put into operation.

Available in 20t, 30t and 40t capacities, these load cells are temperature-compensated to work well within the specified accuracy across varying climatic conditions. By ensuring that all of their expertise and knowhow over the years are integrated into every load cell, IPA ensures precision products that are able to withstand challenging and harsh environments.



## Specification

Parameters	Specified Value
Make	IPA Pvt. Ltd.
Model	SA Series
Capacity	20t, 30t, 40t
Rated Output	$2 \pm 0.002 \text{mV/V}$
Non Linearity	$\pm 0.03\%$
Input Resistance	$700 \pm 20 \text{ohms}$
Output Resistance	$706 \pm 7 \text{ohms}$
Operating Temperature Range	$-30^\circ\text{C}$ to $+70^\circ\text{C}$
Temp Effect on Span	$0.002\% / ^\circ\text{C}$
Temp Effect on Tare	$0.002\% / ^\circ\text{C}$
Excitation Voltage	10V DC (Max. 12V)
Safe Overload	150%
Ultimate Overload	200%
Insulation Resistance	$\geq 5000 \text{Mohms}$
Protection	IP-68
M.O.C of Loadcell Element	Alloy Steel
Cable	4 Core Shielded
Cable Length	12m(20t), 14m(30t), 16m(40t)
Color Code	Red + Input
	Black - Input
	Green + Output
	White - Output

## IPA Pvt. Ltd.

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