

## FEATURES

- Low profile
- Alloy steel construction with nickel plated treatment
- Capacity: 300kg
- Easy to install, stable & reliable

## RS PRO Alloy Steel S Beam Tension Load Cell

RS Stock No.: 204-2768



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.



# Load Cells

## Product Description

S Beam Load Cell 614 offers a compact design for platforms, silos, or scales. The tension Load Cell has a wide range of capacities from 50kg to 1000kg, comes in steel alloy construction.

Capacities: 300kg  
Material: Alloy Steel  
Dimension: 62.1\*18\*80mm  
Rated Output: 2.0mV/V  
Protection Class: IP66

## Applications

Hopper scales, Crane scales, Tension control and machine testing Batching systems, blending & mixing systems, belt scales, etc.

## Electrical Specifications

Rated Capacities	300kg
Accuracy Class	C3
Rated Output	2.0±0.002 mV/V
Zero Balance	±0.0200 mV/V
Non-linearity	0.03%R.O.
Hysteresis	0.03%R.O.
Repeatability	0.03%R.O.
30mins Creep	0.03%R.O.
30mins Return	0.03%R.O.
Safe Overload	120 %R.O.
Ultimate Overload	200 %R.O.
Temperature Effect on Output	0.002 %R.O./°C
Temperature Effect on Zero	0.003 %R.O./°C
Input Impedance	400±20 Ω
Output Impedance	350±3 Ω

## Load Cells

Insulation Impedance	≥5000 MΩ/(50VDC)
Recommended Excitation	4~12 VDC
Maximum Excitation	15 VDC
Operating Temperature Range	-20~60 °C
Construction	Steel Alloy
Cable	φ5×3m
Mode of Connection	Red (EXC+) , Black (EXC-) , Green (SIG+) , White (SIG-)

### Protection Category

Waterproof class	IP66
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### Classification

eCl@ss (Version)	C3
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### Approvals

Declarations	ROHS, OIML
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### Additional Information

Custom Tariff Number	84239000
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