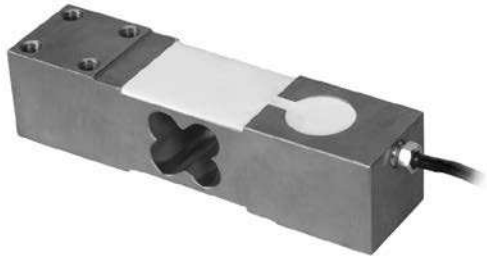
# Single-Point Alloy Steel Load Cell

## FEATURES

- Capacity range: 50–1500 kg
- Alloy steel construction
- Single-point for the following platform sizes:
  - 50–750 kg: 600 × 600 mm platform
  - 1000–1250 kg: 750 × 750 mm platform
  - 1500 kg: 900 × 900 mm platform
- **Optional**
  - Stainless steel construction



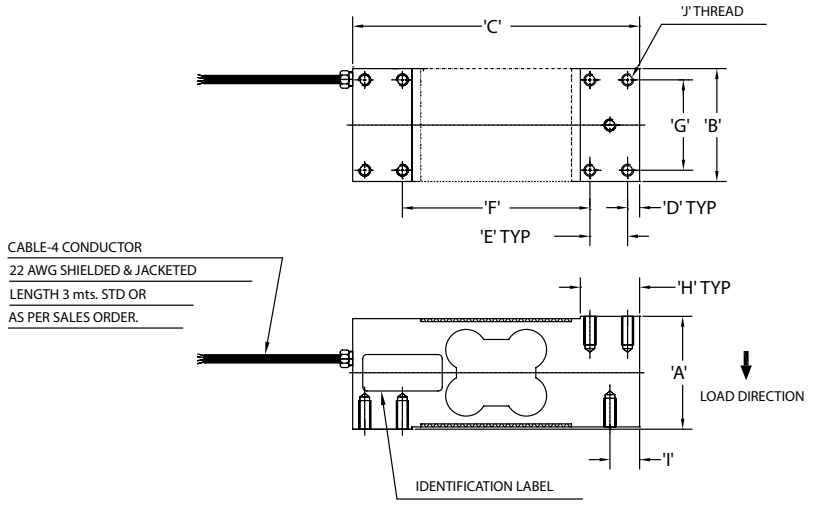
## APPLICATIONS

- Large platform scales
- Bench and counting scales
- Check weighing scales

## DESCRIPTION

The Model 92001 is an alloy steel single-point load cell designed for direct mounting in large platform scale applications. It has a very similar design to the Model 92006 with some key differences. The Model 92001 can register smaller loads but it requires different platform sizes depending on the desired capacity range. The cost effective load cell is ideal for use in counting, bench and floor scales. This model provides scale manufacturers with a high accuracy, low-cost sensor for their most demanding technical requirements.

## OUTLINE DIMENSIONS in millimeters




**Wiring**

| | | |
|---|---|---|
| + | Excitation | Red |
| – | Excitation | Black |
| + | Output | Green |
| – | Output | White |
| | Ground | Shield |

| CAPACITY | A | B | C | D | E | F | G | H | I | J THREAD |
|---|---|---|---|---|---|---|---|---|---|---|
| **50,100,150,200,250,300, 350,500,600,750 kg** | 38.0 | 38.0 | 150.0 | 6.3 | 25.4 | 86.6 | 25.4 | 38.0 | 18.0 | M8 x 1.25 DEEP 15.0, 9 PLCS |
| **1000, 1250 kg** | 74.9 | 74.9 | 190.5 | 10.4 | 18.5 | 132.6 | 56.0 | 39.3 | 19.7 | M8 x 1.25-6H x 19.0 DEEP 9 PLCS |
| **1500 kg** | 74.9 | 74.9 | 190.5 | 10.4 | 18.5 | 132.6 | 56.0 | 39.3 | 19.7 | M10 x 1.5-6H x 26.0 DEEP 9 PLCS |

Single-Point Alloy Steel Load Cell

| SPECIFICATIONS | | |
|---|---|---|
| **PARAMETER** | **VALUE** | **UNIT** |
| **Rated output-R.O.** | 2.0 | mV/V |
| **Rated output tolerance** | 10 | ± % FSO |
| **Zero balance** | 1 | ± % FSO |
| **Combined error** | <0.045 | ± % FSO |
| **Non-linearity** | <0.025 | ± % FSO |
| **Hysteresis** | <0.020 | ± % FSO |
| **Non-repeatability** | <0.010 | ± % FSO |
| **Creep error (30 minutes)** | <0.025 | ± % FSO |
| **Temperature effect on zero** | <0.002 | ± %/°C |
| **Temperature effect on output** | 0.001 | ± %/°C |
| **Operating temperature range** | –20 to +70 | °C |
| **Maximum safe central overload** | 150 | % FSO |
| **Ultimate central overload** | 300 | % FSO |
| **Excitation, recommended** | 10 | VDC |
| **Excitation, maximum** | 15 | VDC |
| **Input impedance** | 380–400 | Ω |
| **Output impedance** | 349–355 | Ω |
| **Insulation resistance at 50 VDC** | >1000 | MΩ |
| **Material** | Alloy steel with electroless nickel-plated | |
| **Environmental protection** | IP66 | |
| **Platform size** | 50–750 kg: 600 × 600<br>1000–1250 kg: 750 × 750<br>1500 kg: 900 × 900 | |

All specifications subject to change without notice.

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