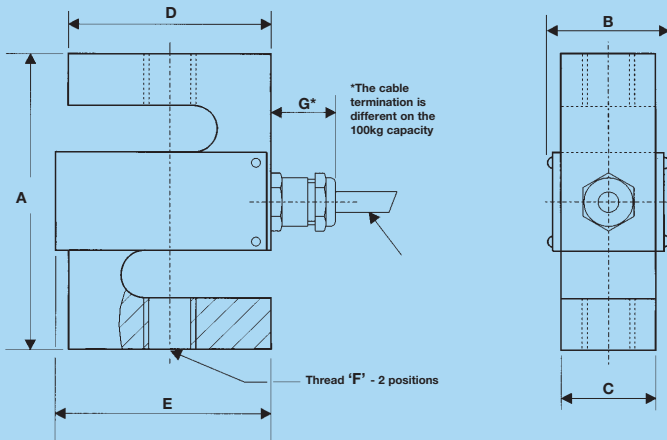


technical specification sheet

Series T61

| | Load Cell Capacity | Units |
|------------------------------------|---------------------------------|--------------------|
| Standard Load Ranges | 100, 250, 500, 1000, 1500, 2000 | kg |
| Rated Output | 3 | mV/V \pm 0.25% |
| Combined Error | < \pm 0.035 | %* |
| Non-repeatability | < \pm 0.015 | %* |
| Creep (30 minutes) | < \pm 0.03 | %* |
| Temperature Effect on Zero Balance | < \pm 0.0025 | %* / $^{\circ}$ C |
| Temperature Effect on Span | < \pm 0.005 | %* / $^{\circ}$ C |
| Compensated Temperature Range | -10 to +40 | $^{\circ}$ C |
| Operating Temperature Range | -40 to +80 | $^{\circ}$ C |
| Safe Overload | 150 | %* |
| Ultimate Overload | 300 | %* |
| Zero Balance | < \pm 1 | %* |
| Input Resistance | 380 | Ω \pm 30 |
| Output Resistance | 350 | Ω \pm 1.5 |
| Insulation Resistance | >5000 | M Ω @ 100V |
| Recommended Supply Voltage | 10 | V |
| Maximum Supply Voltage | 15 | V |
| Environmental Protection | IP 66 | - |

All percentages are related to Full Rated Load



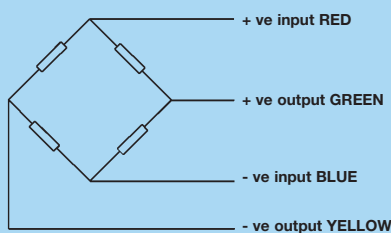
| Capacity (kg) | A | B | C | D | E | F | G |
|---------------|----|----|----|----|----|------------|----|
| 100 | 75 | 20 | 17 | 50 | 53 | M10 x 1.5 | 60 |
| 250-500 | 75 | 27 | 19 | 50 | 53 | M12 x 1.75 | 20 |
| 1000-2000 | 75 | 33 | 25 | 50 | 53 | M12 x 1.75 | 20 |

All dimensions in mm.

Electrical Connections

Via 4 core, 4m, 4mm dia., screened polyurethane cable.

Screen not connected electrically to load cell.



Shipping Weights: (kg)

100 = 0.5kg, 250-500 = 0.5kg
1000-2000 = 0.75kg

Construction

High quality tool steel and nickel plated over copper

Options

Spherical rod end bearings.
Adaptors for compression/bi-directional use.

Our policy is one of continuous product enhancement. We therefore reserve the right to incorporate technical modifications without prior notification.

Distributed by

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Approval No. 925394

Series T61

Tension load cell for industrial weighing

capacities 100 kg to 2,000 kg



high quality steel load sensor

industry standard configuration

fully potted and sealed to IP 66

1 year warranty

corrosion resistant

adaptors available for using the cell in compression / bi-directional manner

simple low cost installation

optional proof tested eyebolts or rod end bearings

This folded bending beam load cell is manufactured from high quality tool steel, and fully sealed to IP66.

Although normally utilised in tension, given the suitable adaptors and the appropriate application, it is possible to use the cell in compression or even in a bi-directional manner.

The cell is typically used in tank and vessel weighing, bag filling machines and conveyors.

Thames Side - Maywood

...your specialist load cell partner