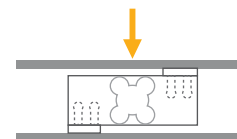


# BP241

## Single Point Load Cell



### Applications



Small Bench



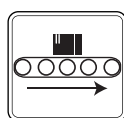
Large Bench



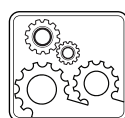
Checkweighers



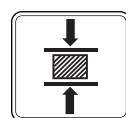
Tank, Bunker,  
Silo Weighing



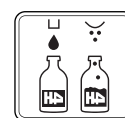
Conveyor  
Scales



Industrial  
Processes



Testing  
Machines



Packing & Filling  
Applications

### Key Features

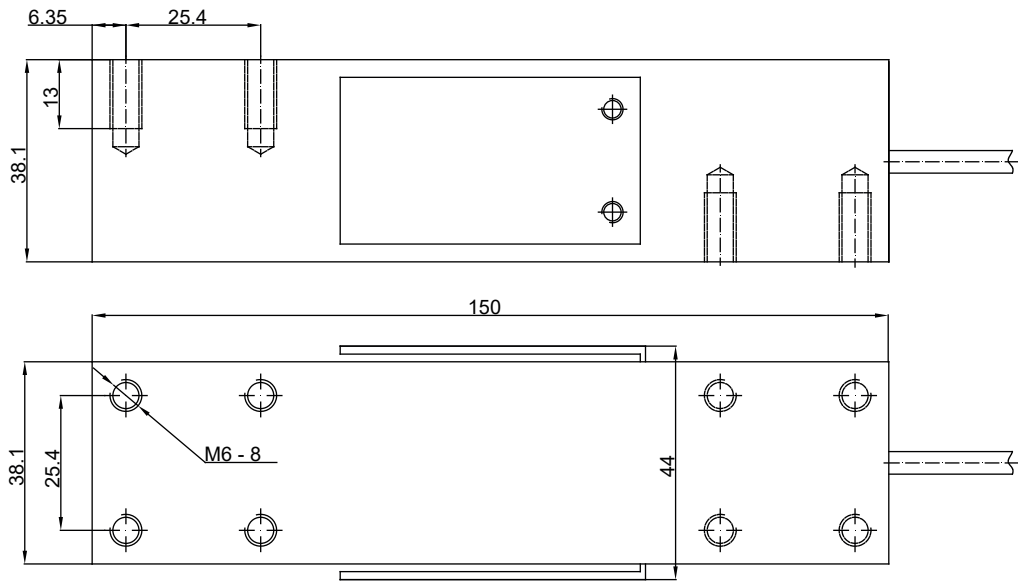
- Capacities: 50~250 kg
- Aluminium
- Protection class: IP66
- Platform size (recommended): 500 x 500 mm

BP241 is aluminium-alloy construction and adhesive sealed single point type load cell with IP66 protection. It is suitable for bench scale, counting scale, packing machines and similar electronic weighing devices or testing machines.

# Technical Specifications

Model		BP241
Capacity ( $E_{max}$ )	kg	50 / 100 / 150 / 200 / 250
Accuracy class		G3
Rated output (RO)	mV / V	$2.0 \pm 0.2$
Combined error	%RO	$\leq 0.0230$
Safe load limit	% $E_{max}$	150
Ultimate load	% $E_{max}$	300
Zero balance	%RO	$\leq 2.0$
Excitation voltage, recommended	V (DC)	5 - 12
Excitation voltage, maximum	V (DC)	18
Input resistance	$\Omega$	$406 \pm 6$
Output resistance	$\Omega$	$350 \pm 3$
Insulation resistance (at 50 V DC)	M $\Omega$	$\geq 5000$
Compensated temperature range	$^{\circ}\text{C}$	- 10...+ 40
Operating temperature range	$^{\circ}\text{C}$	- 20...+ 50
Material		Aluminium
Protection class		IP66
Cable		Shielded, 6 conductor, length: 3 m / diameter: 5 mm
Maximum platform size	mm	500 x 500

## Dimensions (mm)



## Color Codes

Function	Colors
+ input	green
+ sense	blue
- output	white
- sense	brown
- input	black
+ output	red