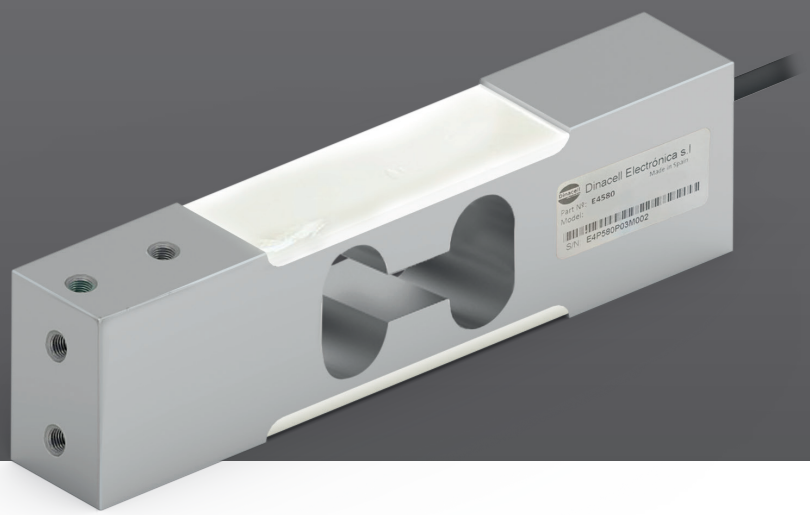
MPX

Single plate load cell optimal for a wide spectrum of applications



MPX Bending load cell

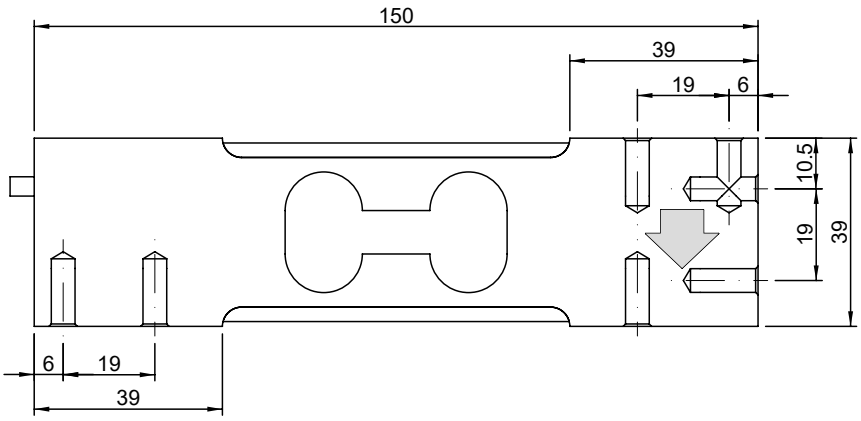
Coming from the MP type cells, this cell called MPX is designed for the weighing of a maximum capacity of 50kg while maintaining the reliability and precision of its measurement.

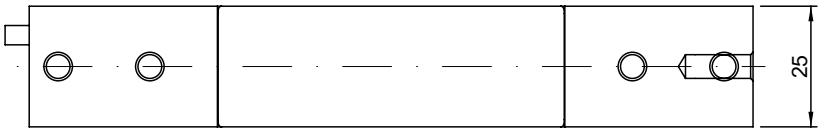
By using a plate of up to 400x400mm and the appropriate measuring device, it is transformed into a scale of 50kg capacity. Being able to offer the same measurement reliability regardless of where the load is located. It is ideal for weighing tasks with very short cycles, such as those that occur in industrial weighing systems. Its most common uses are: part counting, process control, weighing of conveyor belts, weight control in automatic processes, etc.

Specifications

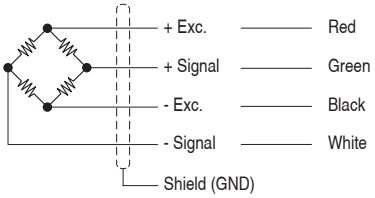
Parameter		Units	Specifications
Model		-	MPX
Nominal Load (N.L.)		kg	50
Nominal Sensibility (N.S.)		mV/V	2
Zero balance		%N.S.	± 1.00
Maximum excitation voltage		V	10
Hysteresis error		%N.S.	± 0.02
Maximum linearity error		%N.S.	± 0.02
Crepp, over 30 minutes		%N.S.	± 0.02
Non-repeatability		%N.S.	± 0.01
Temperature range	Compensated	°C *(°F)*	-10 ... +50 *(+14 ... +122)*
	Operating		-20 ... +60 *(-4 ... +140)*
	Storage		-20 ... +70 *(-4 ... +158)*
Temperature effect on sensibility		%N.S. / 10°C	± 0.02
Temperature effect on zero		%N.S. / 10°C	± 0.02
Min. Insulation resistance (V.Test s 100V)		GΩ	5
Input resistance		Ω	410 ± 15
Output resistance		Ω	350 ± 3
Load limit		%N.L.	120
Cable	Standard length	m	3
Sensor	Material	-	Aluminum
	Surface treatment	-	Anodized
Protection class		-	IP67

Dimensional Drawings (mm)

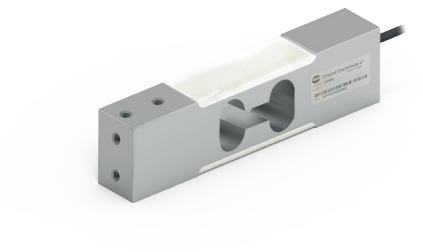




Wiring diagram



Product Reference



Ref.	Nominal Load (kg)	Model
024292	50	MPX

For more information

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