

SV-3000

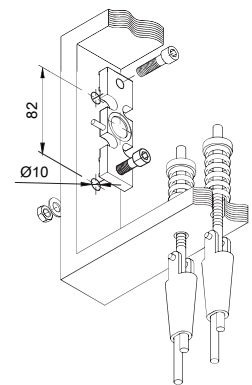
Sensor designed by measuring beam structure deformation



SV-3000 Crosshead/Beam sensor

SV-3000 are designed to work with traction and compression. Designed for measuring the load limits in beams of metallic structures deformations (steel beams) or in elevation systems such as elevator or freight lift, where the variations of the load thru the entrance or the exit of load in the cabin, transmits the variation of the beam structure deformation measured by the sensor.

SV-3000 is easy to install, on a clear part of the load-beam structure. This load weighing system could be used in finished lift constructed installation, making it the easy integration of the load limiter in the elevator or freight lift.

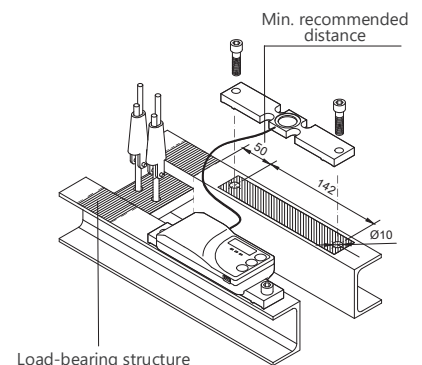


Setting in a vertical hitch point

For a complete installation

The sensor has a USB output or wired output depending on the control unit. It is possible to improve the quality of the measurement by adding more than one sensor.

For installations with special specifications of connecting a set of sensors in a control unit with only one input, *INTERFACE*¹ could be used for these cases. *INTERFACE* provides a USB output or wired output, making them compatible with any Dinacell device, regardless of the control unit input.



Setting in horizontal steel beam

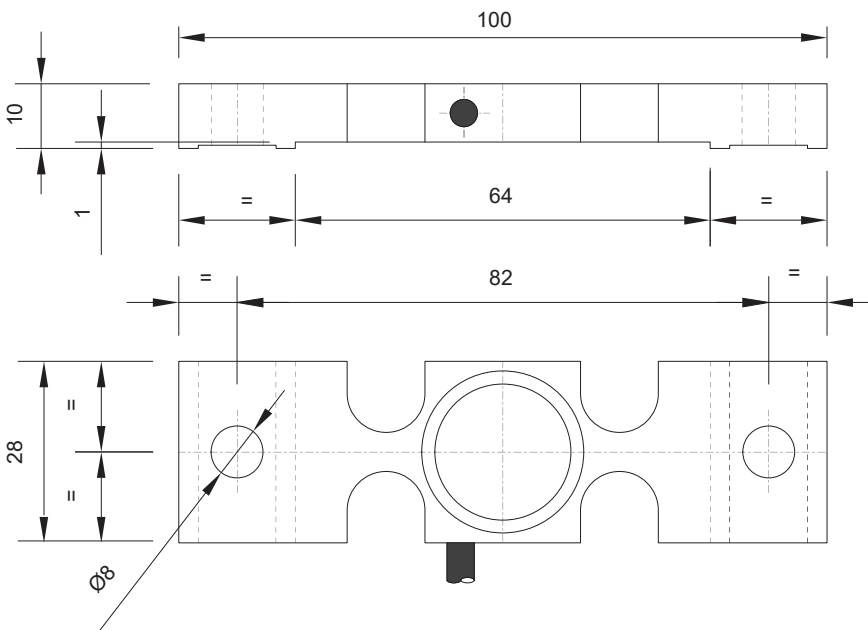


1- INTERFACE.

Specifications

Parameter	Units	Specifications		
Model	-	SV-3000		
Nominal Deformation (N.D.)	$\mu\epsilon$	3000		
Nominal Sensibility (N.S.)	mV/V	2		
Accuracy	-	0.2%		
Zero balance	%D.N.	0.20		
Maximum excitation voltage	V	12		
Temperature range	Compensated	-10 ... +40 (+14 ... +104)		
	Operating	-20 ... +60 (-4 ... +140)		
	Storage	-20 ... +70 (-4 ... +158)		
Min. insulation resistance (V.Test = 100V)	G Ω	4		
Input resistance	Ω	350 \pm 2		
Output resistance	Ω	350 \pm 2		
Maximum deformation	%D.N.	150		
Cable	Type	-	4 x 0.14 mm ² \varnothing 4	
	Connector	-	Wiring connection	USB
	Standard length	m	6	
	Material	-	Poliurethane (PU)	
Sensor	Material	-	Alloy steel	
	Surface treatment	-	Chemical nickel	
Protection class	-	IP65		

Dimensional drawings (mm)



Wiring diagram

