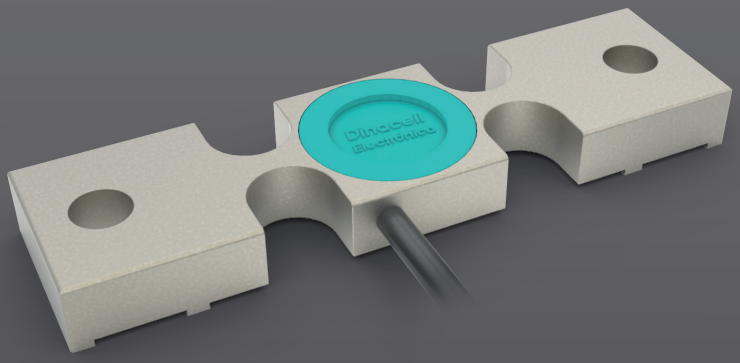
SV-3000

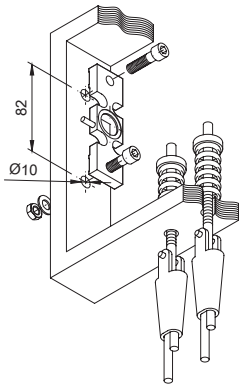
Sensor designed for measuring beam structure deformation



SV-3000 Crosshead/Beam sensor

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

The SV-3000's 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 easy to integrate the load limiter in the elevator or freight lift.

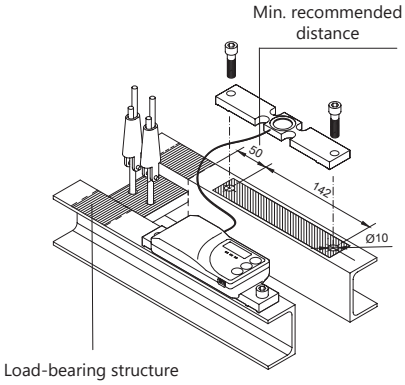


Setting on a vertical hitch point

For a complete installation

This sensor has a cable with USB output or output without connector depending on the limiting device. It is possible to improve the quality of the measurement by adding to the installation more than one sensor.
For installations that require connecting a set of sensors to a limiter with a single input, assemblies can be formed by attaching these sensors to an (1) INTERFACE. These accessories offer connectorless or USB output, making them compatible with any device, regardless of the input type of the limiter.

(1) INTERFACE

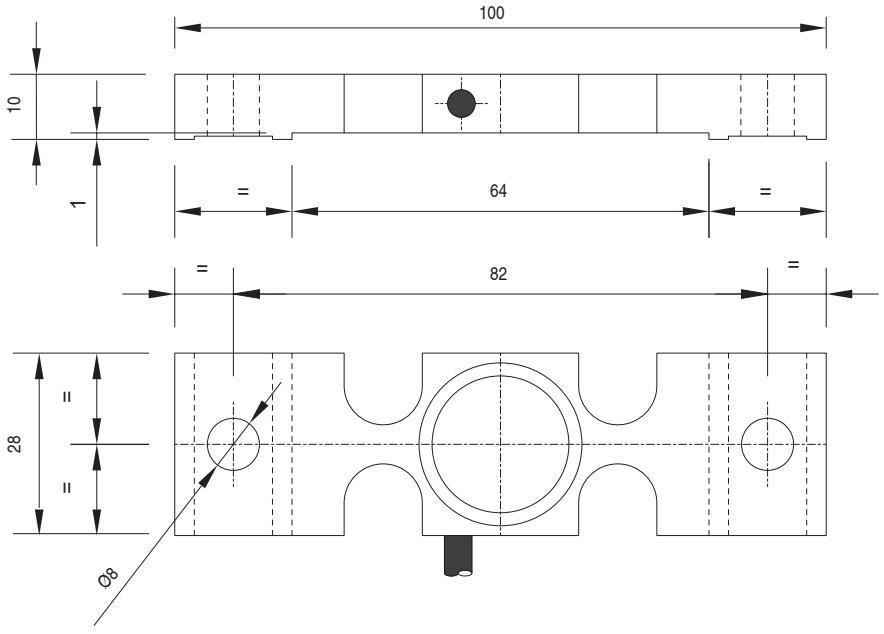


Setting on a vertical hitch point

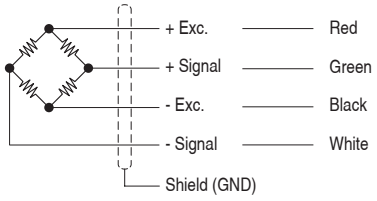
Specifications

Parameter		Units	Specifications	
Model		-	SV-3000	
Nominal Deformation (N.D.)		με	3000	
Nominal Sensibility (N.S.)		mV/V	2	
Accuracy		-	0.2%	
Zero balance		%N.D.	5	
Maximum excitation voltage		V	12	
Temperature range	Compensated	°C (°F)	-10 ... +40 (+14 ...+104)	
	Operating		-20 ... +60 (-4 ... +140)	
	Storage		-20 ... +70 (-4 ... +158)	
Min. Insulation resistance (V.Test s 100V)		GΩ	4	
Input resistance		Ω	350 ± 2	
Output resistance		Ω	350 ± 2	
Maximum deformation		%N.D.	150	
Cable	Type	-	4 x 0.14 mm² Ø4	
	Connector	-	Wiring connection	USB
	Standard length	m	6	
	Material	-	Polyurethane (PU)	
Sensor	Material	-	Alloy steel	
	Surface treatment	-	Chemical nickel	
Protection class		-	IP65	

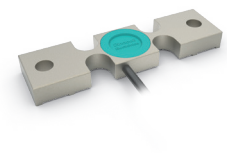
Dimensional Drawings (mm)



Wiring diagram



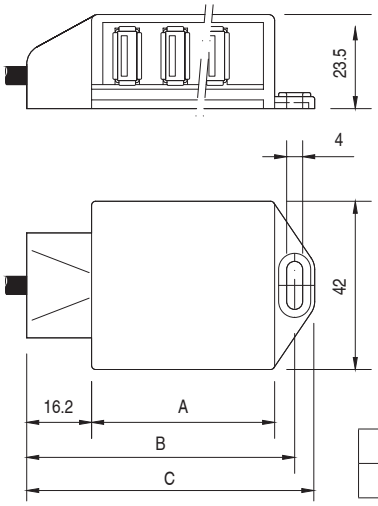
Product Reference



Product Ref.	Connector type	Model
009213	USB	SV-3000
004632	Wiring connection	

Accessory: INTERFACE

Parameter	Units	Specifications			
Model	-	INTERFACE			
Temp range.	°C *(°F)*	-20 ... +60 *(-4 ... +140)*			
Casing material	-	Fireproof plastic ABS			
Protection class	-	IP50			
Cable type	-	4 x 0.22 mm^2 Ø4			
Standard length	m	5 + Ferrite			
USB Input	-	6		12	
Cable Output	-	USB	Wiring connection	USB	Wiring connection
Ref.		007555	007274	007554	007275



Dimensions in mm

USB	A	B	C
6	48	69	74
12	84	105	110

For more information

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