

BPSXR

Sensor designed for the terminals fixed point



More information

BPSXR Compression load cell

The BPSXR load cells are a weighing solution at the fixed point of cables in traction elevators.

The advantages of the new design of the BPSXR sensor are as follows:

- This sensor has a low profile that improves weighing accuracy.
- A new geometric design, for perfect stability when weighing at all angles.
- Space saving and a lower height sensor.
- No need to add washers to the installation.
- Affordable with a competitive price.

For a complete installation

These sensors are installed at the fixed point and feature a USB cable output. In order to have an independent reading of the weight of each cable, we recommend the use of our OMEGA device.

For installations that need to connect a set of sensors to a load limiter, with a single input, it is necessary to combine the signal in a single output by using a (1) INTERFACE. These accessories offer cable output without connector or WITH USB (depending on the type of input of the limiting device).



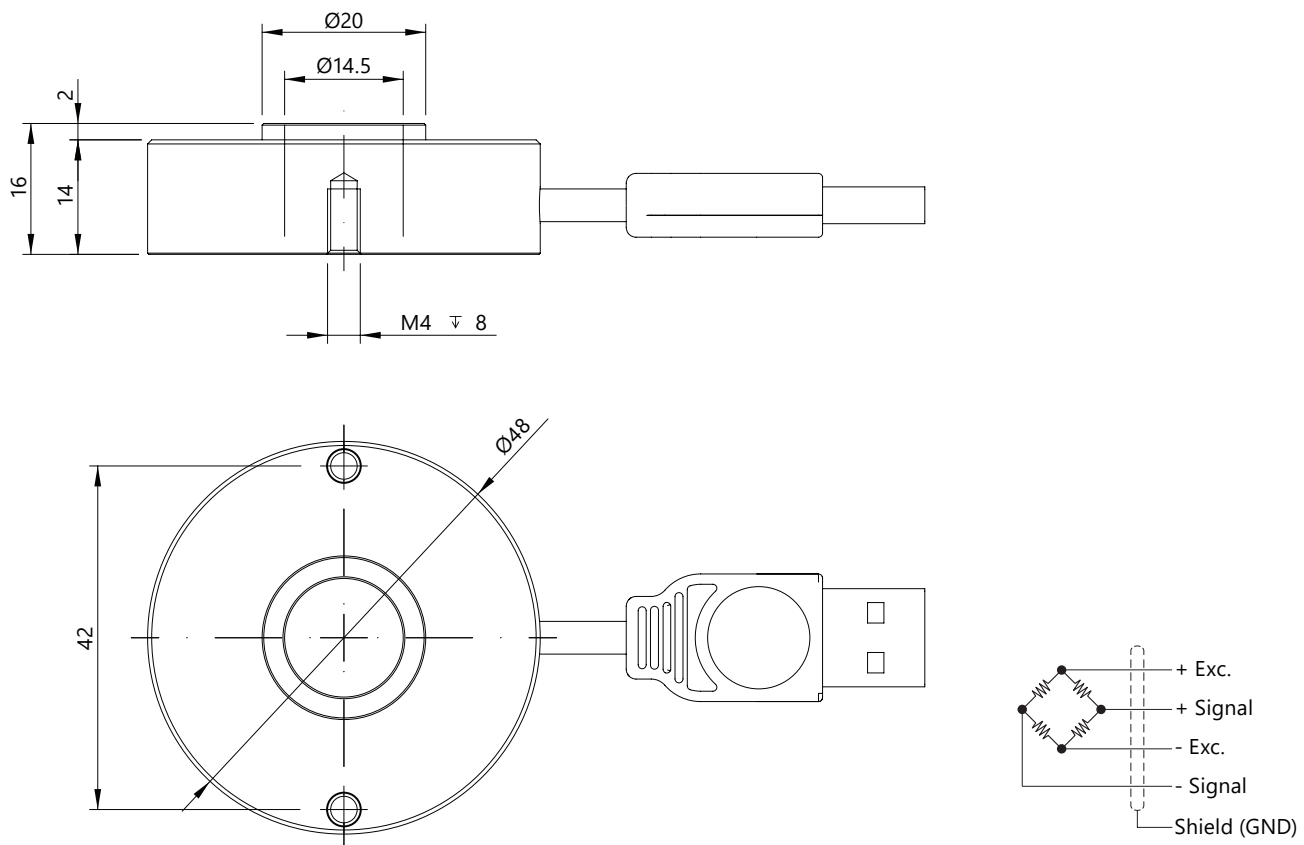
1. INTERFACE



Specifications

Parameter		Units	Specifications
Model		-	BPSXR
Nominal Load (N.L.)		kg	5300
Accuracy		-	1%
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 = 100V)		GΩ	>4
Input resistance		Ω	350
Output resistance		Ω	350
Load limit	Without characteristics loss	%N.L.	150
	Breaking		>250
Cable	Type	-	4 x 0.14mm ² Ø4.3
	Termination	-	USB
	Standard length	m	2.5
	Material	-	Polyurethane (PU)
Sensor	Material	-	Aluminum
	Surface treatment	-	Anodized
Protection class		-	IP62

Dimensional drawings (mm) and wiring diagram



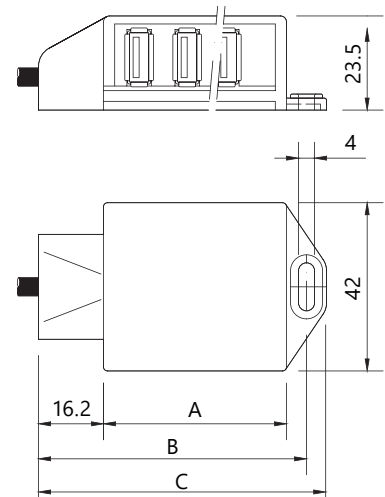


Product Reference



Ref.	Model
026872	BPSXR

Accessory: INTERFACE



Parameter	Units	Specifications			
Model	-	INTERFACE			
Temperature range	°C (°F)	-20 ... +60 (-4 ... +140)			
Casing material	-	Fireproof V0			
Protection class	-	IP50			
Cable type	-	4 x 0.22mm ² Ø4			
Standard length	m	5 + Ferrita			
USB Input	-	6		12	
Cable Output	-	USB	Wiring connection	USB	Wiring connection
Ref.	-	007555	007274	007554	007275

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

For more information

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