

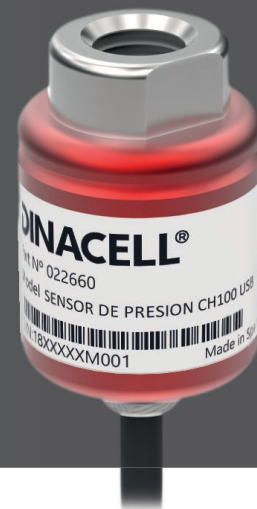


CH-100

Pressure sensor for hydraulic elevators



More information



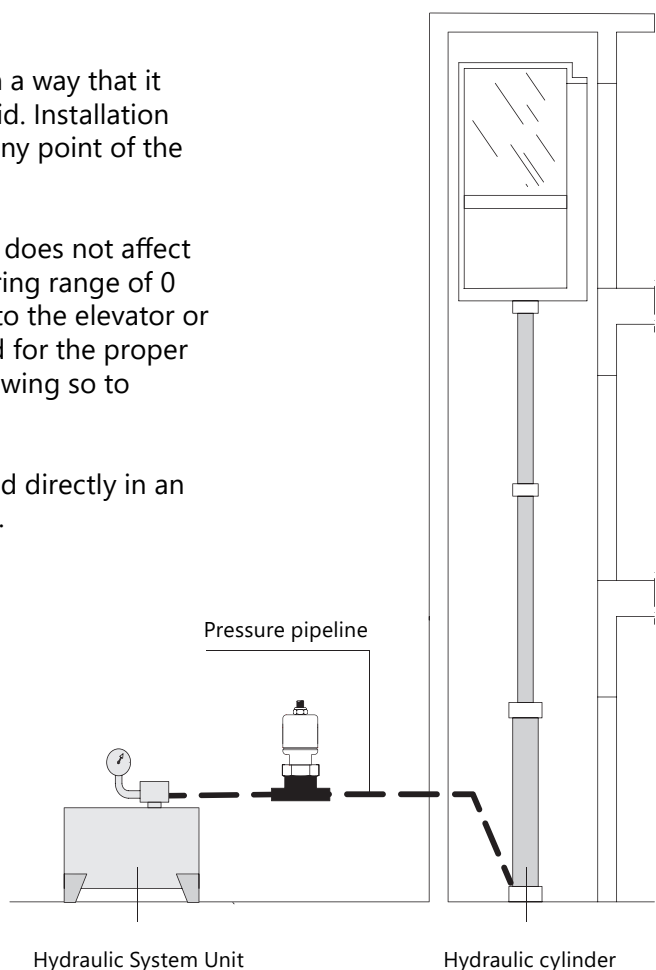
CH-100 Hydraulic pressure sensor

The hydraulic pressure sensor CH-100 has been developed to measure and control the load of hydraulic elevators. The variations of load in the cabin by the entrance or exit of loads or passengers, turn into variations of pressure that converts the hydraulic pressure line into electrical signals measured our control systems.

The CH-100 occupies minimum space, and is installed in a way that it does not interrupt nor alter the flow of the hydraulic fluid. Installation can be done easily by using a T-adapter connection in any point of the pressure pipeline.

The CH-100 sensor is a robust and compact design that does not affect on the reliability of the pressure system. It has a measuring range of 0 to 100 bars, allowing the integration of a load limiter into the elevator or freight lift. The hydraulic sensor has the standard thread for the proper fitting and adapters are offered for other measures, allowing so to always have the solution for your installation.

These sensors are factory calibrated, so they can be used directly in an installation without using a known weight to calibrate it.

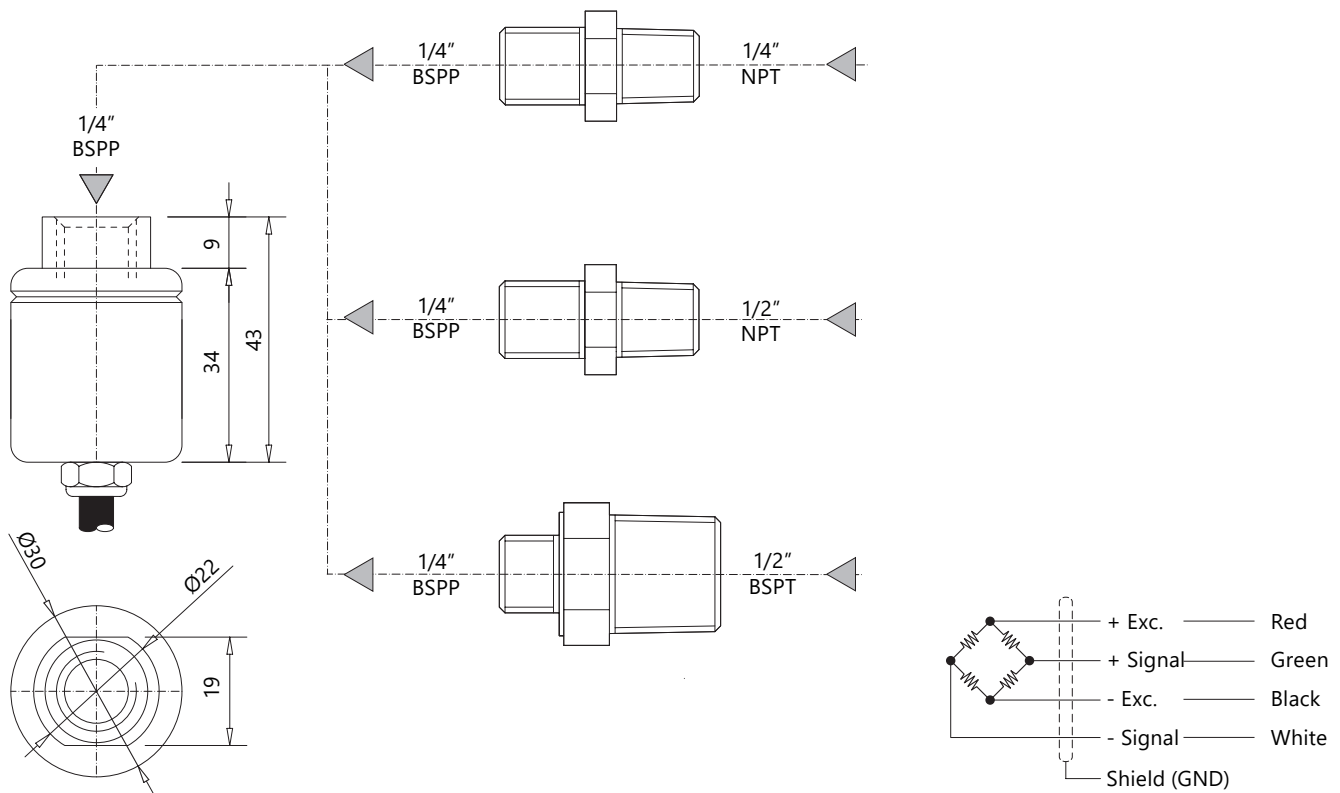




Specifications

Parameter		Units	Specifications	
Model		-	CH-100	
Nominal Pressure (N.P.)		bar	100	
Accuracy		-	<0.4%	
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±1%	
Output resistance		Ω	350±1%	
Load limit	Safe	%N.L.	150	
	Without characteristics loss		200	
Cable	Type	-	4 x 0.22mm ² Ø6	
	Termination	-	Wiring connection / USB	
	Standard length	m	4	
	Material	-	Polyurethane (PU)	
Sensor	Material	-	Alloy steel	
	Casing	Material	-	Aluminum
		Surface treatment	-	Anodized
Protection class		-	IP67	

Dimensional drawings (mm) and wiring diagram





Product Reference



Ref.	Model
000960	CH-100

Accessory: Adapter sleeve



Ref.	A
022399	1/4" NPT
013774	1/2" NPT
022401	1/2" BSPT

For more information

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