

Model 1291

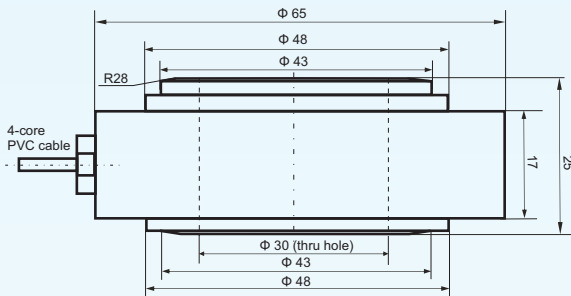
Cylindrical Compression Load Cells



Features:

- made from 17-4PH stainless steel
- low profile
- light weight (N. W. = 360 g)
- high capacity up to 10 t
- fully laser welded to IP 68 protection

Dimensions:



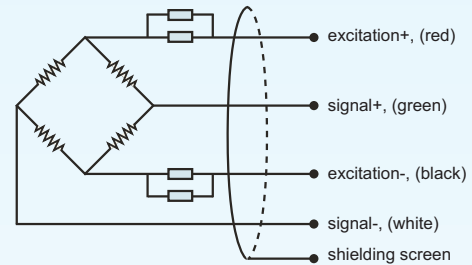
Description:

BCM 1291 load cells are designed for compressive force measurements where the space is limited. These load cells are especially suitable for measuring bolt compressive forces.

Model 1291 offers a low profile design for high capacity applications. It is made of 17-4PH stainless steel. The fully laser welded structure makes these load cells possessing a high protection level of IP 68.

The capacity range of 1291 covers from 2t to 10 t with the measuring accuracy up to 0.1%fso (fso = full scale output). OIML class is also available on request for legal for trade applications.

Electrical connection:



Specifications:

parameters	units	specifications		
capacity	t	2, 5, 10		
safe overload	%FS	120		
ultimate overload	%FS	150		
excitation voltage	Vdc	5 ~ 12		
maximum excitation	Vdc	18		
output sensitivity	mV/V	1.0 ~ 2.0		
zero unbalance	%FSO	± 1		
combined error	OIML standard	G1	G2	G3
	%FSO	0.1	0.2	0.3
creep	%FSO/30 min.	± 0.05		
input resistance	Ω	700 ± 10		
output resistance	Ω	700 ± 7		
insulation resistance	MΩ	≥ 5000 @ 50 Vdc		
operating temperature range	°C	-35 ~ +65		
compensated temperature range	°C	-10 ~ +40		
temperature coefficient of SPAN	%FSO/°C	± 0.001	± 0.002	± 0.003
temperature coefficient of ZERO	%FSO/°C	± 0.001	± 0.002	± 0.003
electrical interface	cable	4-core shielded PVC cable		
		cable length: 5 m (other length available on request)		

The listed specifications are subject to change without prior notice.

How to order: model - capacity - output - accuracy - cable specifications - customer specific requests (if any)

ordering code example: 1291 - 2t - 2mV/V - 0.2%FSO - cable (4-core shielded PVC cable, 5 m)

BCM SENSOR TECHNOLOGIES BVBA

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