

PW15BC3 – 20kg...150kg

Célula de carga Single Point

1 1-PW15BC3/XXKG-1 load cells Technical data:

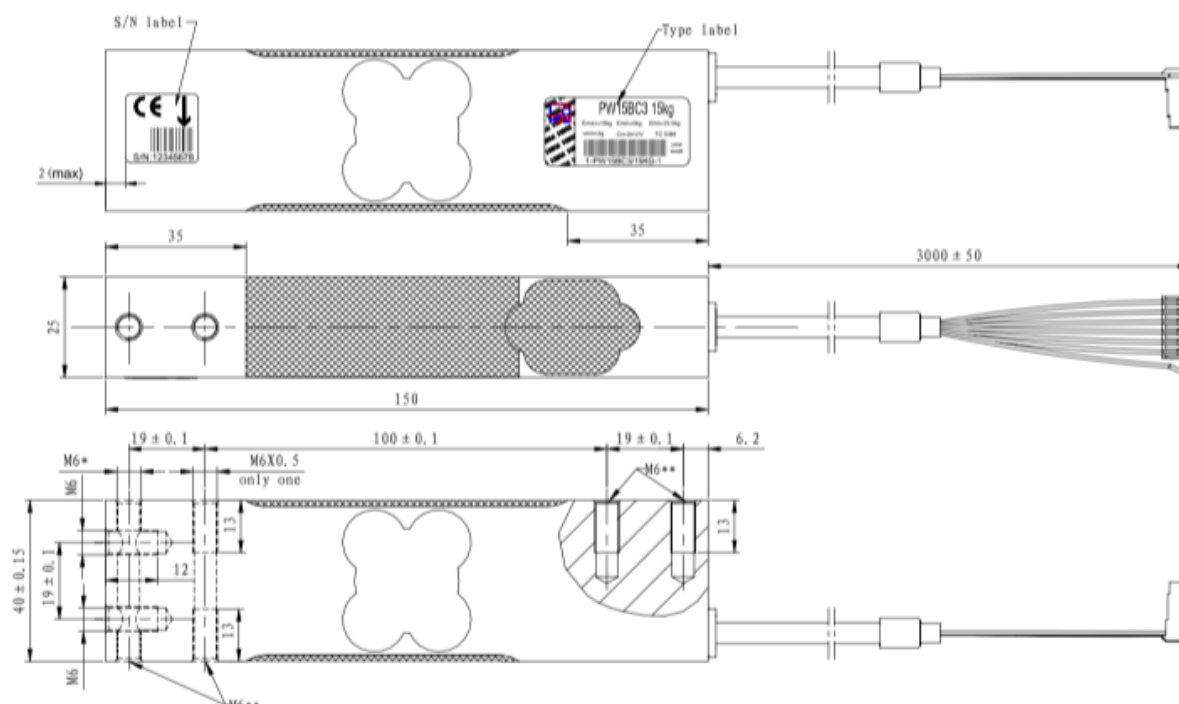
型号 (Type)		PW15B									
精确度等级 (Accuracy class)		C3									
Max. number of load cell intervals		3000									
额定载荷 (Max. capacity)	kg	7.5	15	20	30	50	75	100	150	200	
最小检定分度值 (V _{min})	g	1	2	5	5	10	10	20	20	50	
温度对零点影响 (TC Zero)	% of Cn/10K	±0.0186	±0.0186	±0.0350	±0.0233	±0.0280	±0.0186	±0.0280	±0.0186	±0.0350	
灵敏度 (Sensitivity)	mV/V	2.0±0.2									
零点平衡 (Zero balance)	mV/V	0±0.10									
温度对灵敏度影响 (TC Span)	% of Cn/10K	±0.0175									
+20℃~+40℃:		±0.0117									
-10℃~+20℃:											
非线性误差 (Non-linearity)	% of Cn	±0.0166									
滞后误差 (Hysteresis error)	% of Cn	±0.0166									
蠕变及蠕变恢复 (30mins Creep、BND)	%/30min	±0.0166									
秤盘面积 (Max. platform size)	mm	500×400									
四角误差 (Off center load error)	%	±0.0233									
输入电阻 (Input resistance)	Ω	380±15									
输出电阻 (Output resistance)	Ω	359±5									
参考电压 (Uref)	V	5									
工作电压范围 (Bu)	V	1...15									
绝缘电阻 (Insulation resistance)	GΩ/100V	>1									
额定温度范围 (Nominal temperature range)	℃	-10~+40									
工作温度范围 (Service temperature range)	℃	-10~+50									
存储温度范围 (Storage temperature range)	℃	-25~+70									
安全承载 (Safe load limit)	% of Emax	150									
极限承载 (Breaking load limit)	% of Emax	300									
最大载荷下变形量 (Deflection at Max. capacity, approx.)	mm	0.21	0.2	0.2	0.2	0.18	0.17	0.17	0.17	0.17	
重量 (Weight approx.)	kg	1									
材料 (Material)		Stainless steel									
应变片要求 (Strain gage requirement)		Constantan/PEEK-F									
保护等级 (IP)		IP67									

- 1) The sum of data for Non-linearity, Hysteresis error and TC Span meets the requirement of OIML 60
- 2) All relative error specified refer to Sensitivity. Eccentric error according to OIML R76 class, max.70% of max. permissible.

2 1-PW15BC3/XXKG-1 Part Number Description:

Part Number	Description	Detailed description
1-PW15BC3/7.5KG-1	PW15BC3/7.5kg-3000R8GJ	PW15B,C3,3000mm 6W cable with plug,ground,2.0mV/V
1-PW15BC3/15KG-1	PW15BC3/15kg-3000R8GJ	PW15B,C3,3000mm 6W cable with plug,ground,2.0mV/V
1-PW15BC3/20KG-1	PW15BC3/20kg-3000R8GJ	PW15B,C3,3000mm 6W cable with plug,ground,2.0mV/V
1-PW15BC3/30KG-1	PW15BC3/30kg-3000R8GJ	PW15B,C3,3000mm 6W cable with plug,ground,2.0mV/V
1-PW15BC3/50KG-1	PW15BC3/50kg-3000R8GJ	PW15B,C3,3000mm 6W cable with plug,ground,2.0mV/V
1-PW15BC3/75KG-1	PW15BC3/75kg-3000R8GJ	PW15B,C3,3000mm 6W cable with plug,ground,2.0mV/V
1-PW15BC3/100KG-1	PW15BC3/100kg-3000R8GJ	PW15B,C3,3000mm 6W cable with plug,ground,2.0mV/V
1-PW15BC3/150KG-1	PW15BC3/150kg-3000R8GJ	PW15B,C3,3000mm 6W cable with plug,ground,2.0mV/V
1-PW15BC3/200KG-1	PW15BC3/200kg-3000R8GJ	PW15B,C3,3000mm 6W cable with plug,ground,2.0mV/V

3 1-PW15BC3/XXKG-1 dimension:



* with max. capacity 200kg: ϕ 5.1 ** with max. capacity 200kg: M8

Cable:

Shielded 6-core round cable(6x0.14mm²) with PVC-jacket

Wiring code:

Pin1 : Signal+ : white
 Pin2 : Signal - : red
 Pin3 : Excitation voltage - : black
 Pin4 : Excitation voltage + : blue
 Pin5 : Sensing lead+ : green

Pin6 : Sensing lead -: grey
 Shield: Yellow, connected to load cell body

Connector: CE 100F26-6(Pancon)

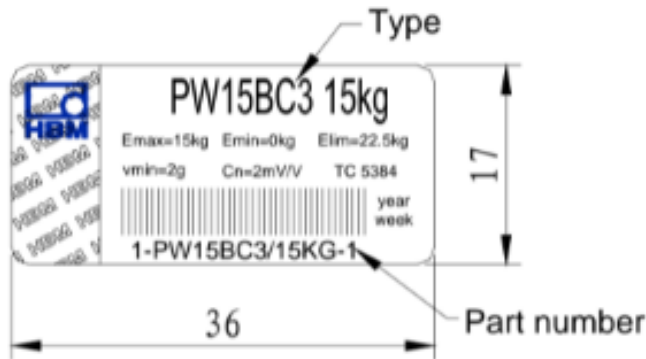
Mounting:

Max. capacity ≤ 150kg: M6-10.9 screws with cylindrical screw, tightening torque 14N · m

Max. capacity=200kg: M8-10.9 screws with cylindrical screw, tightening torque 33N · m

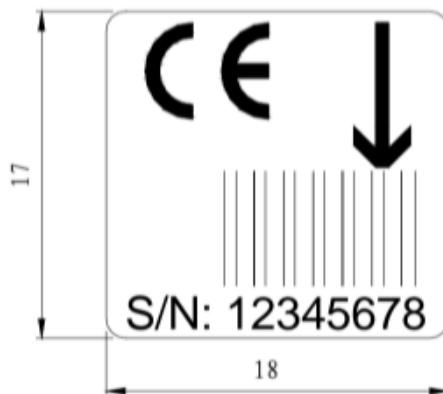
4 Label:

4.1 Type label

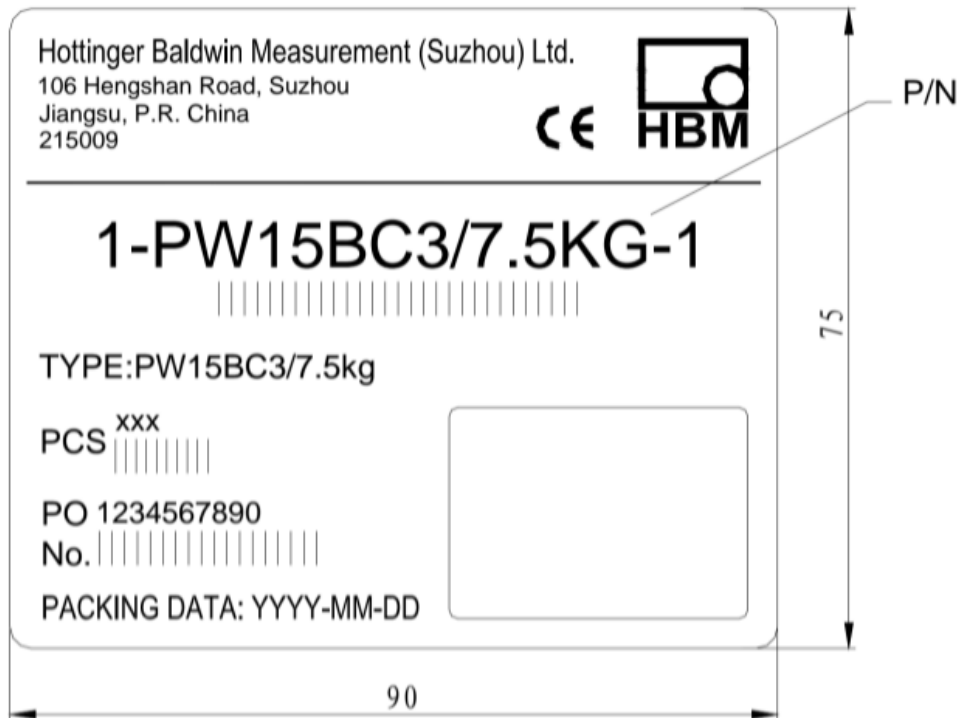


Part Number	Type	Emax	Elim	vmin
1-PW15BC3/7.5KG-1	PW15BC3 7.5kg	7.5kg	11.25kg	1g
1-PW15BC3/15KG-1	PW15BC3 15kg	15kg	22.5kg	2g
1-PW15BC3/20KG-1	PW15BC3 20kg	20kg	30kg	5g
1-PW15BC3/30KG-1	PW15BC3 30kg	30kg	45kg	5g
1-PW15BC3/50KG-1	PW15BC3 50kg	50kg	75kg	10g
1-PW15BC3/75KG-1	PW15BC3 75kg	75kg	112.5kg	10g
1-PW15BC3/100KG-1	PW15BC3 100kg	100kg	150kg	20g
1-PW15BC3/150KG-1	PW15BC3 150kg	150kg	225kg	20g
1-PW15BC3/200KG-1	PW15BC3 200kg	200kg	300kg	50g

4.2 S/N Label



4.3 Out package Label



P/N	PO NO.	Type	yyyy-mm-dd
1-PW15BC3/7.5KG-1	Purchase order number	PW15BC3/7.5kg	Packing date (year-month-day)
1-PW15BC3/15KG-1	Purchase order number	PW15BC3/15kg	
1-PW15BC3/20KG-1	Purchase order number	PW15BC3/20kg	
1-PW15BC3/30KG-1	Purchase order number	PW15BC3/30kg	
1-PW15BC3/50KG-1	Purchase order number	PW15BC3/50kg	
1-PW15BC3/75KG-1	Purchase order number	PW15BC3/75kg	
1-PW15BC3/100KG-1	Purchase order number	PW15BC3/100kg	
1-PW15BC3/150KG-1	Purchase order number	PW15BC3/150kg	
1-PW15BC3/200KG-1	Purchase order number	PW15BC3/200kg	

5. Packing

Quantity: per package 10 pcs.

Note: all packs must be filled with full quantity!