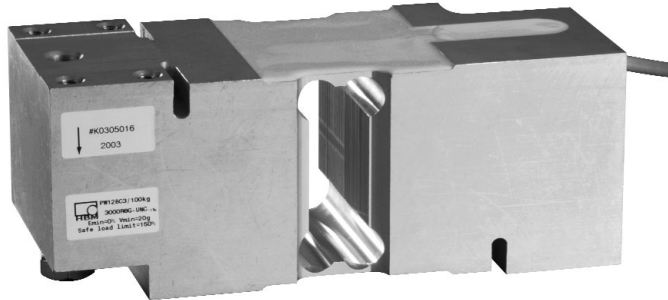


# PW12B

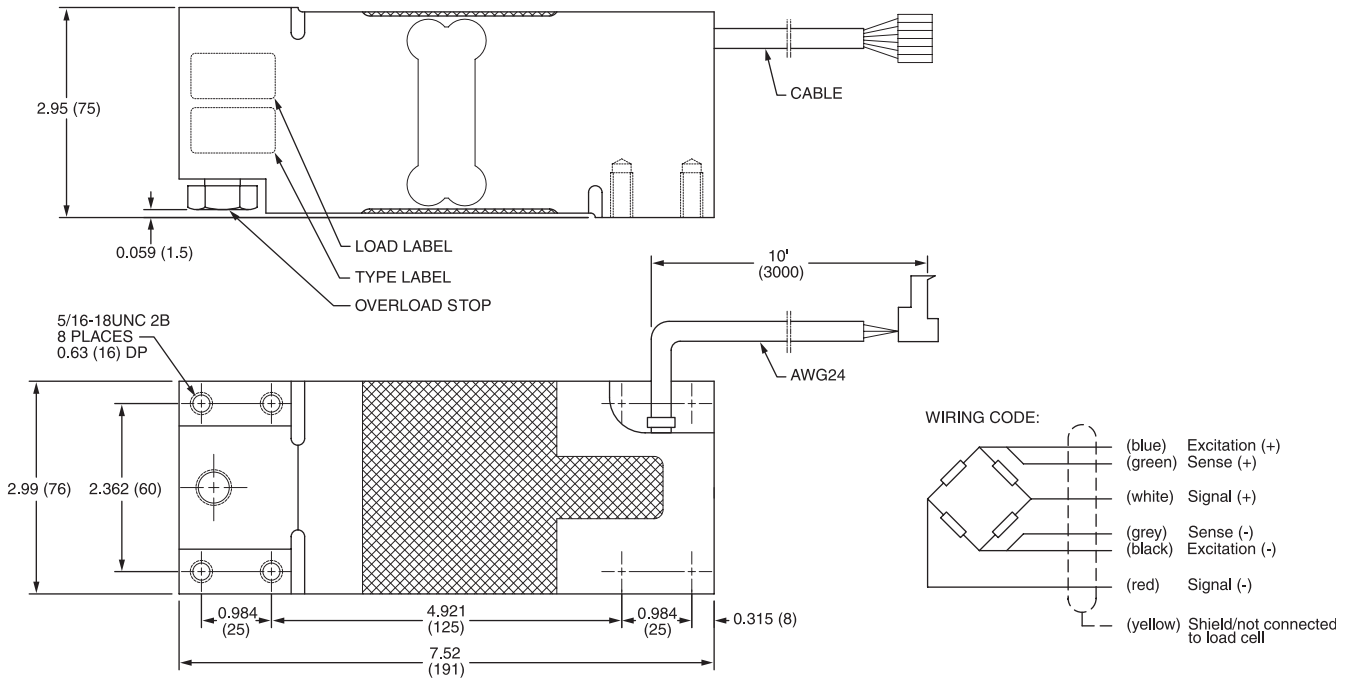
## Single Point Load Cell



### Special Features

- Capacity range from 110 lbs. to 2200 lbs.
- Off center load compensated
- Environmentally sealed (IP67)
- NTEP approval 5000d, Class III, single
- OIML - R60 approval
- 6-wire circuit

### Dimensions: inch (mm)



# Specifications

Model Type		PW12BC3									
Accuracy class		NTEP Class III									
Maximum number of load cell intervals ( $n_{LC}$ )		5000 Divisions Single									
Maximum capacity ( $E_{max}$ )	kg	50	75	100	150	200	250	300	500	635	1000
Minimum load cell verification interval ( $V_{min}$ )	g	0.7	1.1	1.4	2.1	2.8	3.5	4.2	7.0	8.9	14.0
Maximum platform size	mm	800 x 800									
Sensitivity ( $C_n$ )	mV/V	2.0 ± 0.2									
Zero balance		0 ± 0.1									
Temperature effect on zero balance ( $TK_0$ )		± 0.0280	± 0.0186	± 0.0280	± 0.0186	± 0.0350	± 0.0280	± 0.0233	± 0.0280	± 0.0221	± 0.0280
Temperature effect on sensitivity ( $TK_C$ ) <sup>1)</sup>	% of $C_n$ / 10°C										
Temperature range +20...+40°C [+70...+105°F] -10...+20°C [+15...+70°F]											
Hysteresis error ( $d_{hy}$ ) <sup>1)</sup>	% of $C_n$	± 0.0166									
Non-linearity ( $d_{lin}$ ) <sup>1)</sup>		± 0.0166									
Creep ( $d_{cr}$ ) over 30 min.		± 0.0166									
Eccentric load error <sup>2)</sup>	% of $C_n/cm$	± 0.0233									
Input resistance ( $R_{LC}$ )	Ω	420 ± 15									
Output resistance ( $R_O$ )		350 ± 5									
Reference excitation voltage ( $U_{ref}$ )	V	5									
Maximum excitation voltage ( $U_{max}$ )		15									
Insulation resistance ( $R_{is}$ )	GΩ	>2									
Nominal temperature range ( $B_T$ )	°C [°F]	-10...40 [14...104]									
Service temperature range ( $B_{tu}$ )		-20...50 [-4...122]									
Storage temperature range ( $B_{tl}$ )		-30...70 [-22...158]									
Safe load limit ( $E_L$ )	% of $E_{max}$	150									
Ultimate load limit ( $E_d$ )		300									
Lateral load limit ( $E_{lq}$ )		100									
Deflection at $E_{max}$ ( $S_{nom}$ ), approx.	mm	<0.6									
Weight, approx.	kg	2.0									
Protection class to EN60529 (IEC529)		IP67									
Material: Measuring element		Aluminum									
Cable Fitting Gland		Neoprene									
Cable Sheath		PVC									
Coating/Plating		Silicone rubber									

<sup>1)</sup> The sum of data for Non-linearity, Hysteresis and Temperature effect on sensitivity meets the requirements of NTEP HB 44.

<sup>2)</sup> Eccentric load error according to NTEP HB 44.



Due to continuous improvement, dimensions and specifications are subject to change without notice. All details describe our products in general form only. They are not to be understood as express warranty and do not constitute any liability whatsoever. Please request certified drawings before designing mountings or fixtures.

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