

APLC Axle pad load cell 移动式称重板用传感器

Description 主要特性

Capacities 额定量程: (E_{max})
1,2,3,5,7.5,10 t.

Accuracy 精度:
C2 OIML R60.

Output 额定输出:
2.0mV/V
Digital: 1,000,000d.

Execution standard 执行标准:
GB/T 7551-2008 Certificate
(eqv OIML R60)
Combined error 综合误差: 0.027%

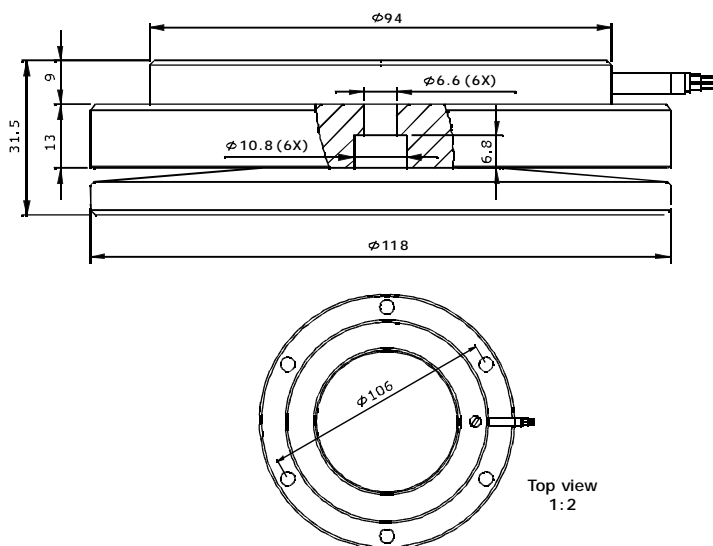
Material of elastomer 主要材料:
Alloy steel or stainless steel.
合金钢或不锈钢.

Sealed to IEC 529:
Protection grade: IP67 or IP68. Protection against total immersion in water for 30 minutes at a pressure corresponding to a 1 m head of water.



Dimensions 外形尺寸

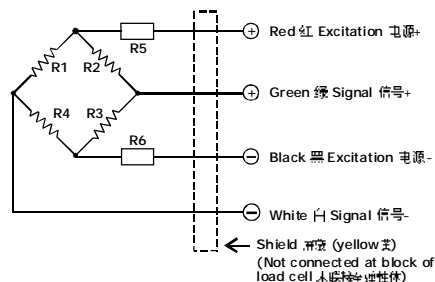
(In mm. 1mm = 0.03937 inches)



Circuit Diagram 电路图

Electrical Termination 电路终端

4 Core cable standard lengths 电缆长度: 1m.
Diameter: $\phi 5$
Connection 接线方式:
Refer to the following drawing.
参阅下面的图形.



Notice 注意:

Do not change the length of cable, or else, it will effect the sensitivity of load cell.
不要改变四芯电缆的长度, 否则这将影响传感器的灵敏度.

Specification 技术参数

Item 项目 \ Parameter 参数	C2	Unit 单位
Rated load 额定载荷 (E _{max}):	1,2,3,5,10	t
Maximal numbers of load cell verification Intervals 最大检定分度数 (N _{ic}):	2000	d
Minimum load cell verification intervals Intervals 最小检定分度值 (V _{min}):	0.02	% of rated load
Rated output 额定输出 (C _n):	2.0 ± 0.1%	mV/V
*Combined error 综合误差:	0.027	±% of rated output
Temperature effect on sensitivity 灵敏度温度影响 (TKc):	0.0024	±% of rated output/°C
Temperature effect on zero balance 零点温度影响 (TKo):	0.002	±% of rated output/°C
Zero balance 零点平衡:	1.0	±% of rated output
Input resistance (R _{ic}) 输入阻抗:	775 ± 5	Ω (Ohms)
Output resistance (R _o) 输出阻抗:	702 ± 2	Ω (Ohms)
Insulation resistance 绝缘电阻:	≥ 5000	MΩ (Mega-Ohms)
Safe overload 安全过载:	150	% of rated capability
Ultimate overload 极限过载:	300	% of rated capability
Operating temperature range 工作温度范围:	-20 ~ +70 / -20 ~ +160	°C / °F
Recommend excitation 推荐工作电压:	8 ~ 15	V (DC or AC)
Maximum excitation 最大工作电压:	24	V (DC or AC)
Material of elastomer 弹性体材料:	Alloy steel 合金钢 / Stainless steel 不锈钢	
Protection class 防护等级:	IP67/IP68	

The data for deviation of synthesis error, TKo, TKc are typical values. The sum of these data meets the requirements according to OIML R60.
综合误差为理论值, 它最终将符合 OIML R60 中的相应条款的要求.

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