

Precision Shear Web Disk

FEATURES

- Capacities: 0.2, 0.5, 1, 1.5, 2.5, 5, 10, and 25 tons
- · Compact size with low profile
- · Low deflection for high output
- · Electroless nickel-plated alloy tool steel construction
- · Off center load compensated
- · OIML C3 available for whole series
- Optional
 - o PSD-SJTT and PSD-SJTH with different loading holes

APPLICATIONS

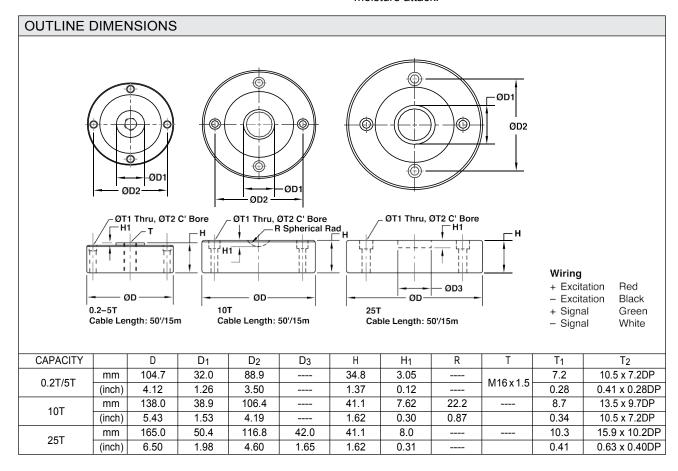
- · Testing machines
- · Platform scales
- · Hopper and vessel weighing
- · Truck scales

DESCRIPTION

A low profile design that makes PSD the most suitable application concerning critical height for safety reasons. The shear web design provides excellent performance



even when side forces are inevitable in normal operations. The typical example for side force resistance is the application in motor truck scales. PSD is constructed of alloy steel and is fully potted with special chemical compounds to IP67 to protect the cell from water and moisture attack.



Model PSD

Celtron



PSD轮辐传感器 特性

- ●量程2.5,5,10,25吨
- ●低截面的紧凑设计
- ●高输出小变形
- ●合金钢无电解镀镍
- ●偏心加载补偿
- ●整个系列获得0IML C3认证

可选特性

●PSD-SJTT和PSD-SJTH具有不同的加载孔

描述

低截面设计使得PSD更适合在因安全因素对高度有严格要求的条件安装。在通常工作条件下不可避免地会出现侧向力,而轮辐式传感器设计仍会提供卓越的性能。汽车衡是典型的抗侧向力的例子。

PSD为合金钢结构采用化学镀方式防护等级达到P67,有效的防止水和潮气的侵蚀。

应用

- ●平台秤
- ●料斗/简槽称重
- ●汽车衡

Precision Shear Web Disk

SPECIFICATIONS			
参数 PARAMETER	VALUE		UNIT
精度等级 NTEP/OIML accuracy class	СЗ	Non-Approved	
最大分度数Maximum no. of intervals (n)	3000	1000	
Y = E _{max} /V _{min}	8000	5000	Maximum available
额定量程 Standard capacities (Emax)	200, 500, 1000, 1500, 2500, 5000, 10000, 25000		kg
灵敏度 Rated output—R.O.	3. 0**		mV/V

额定输出误差 Rated output	0. 25		±% of rated
tolerance			output
零点平衡 Zero balance	1		±% of rated
			output
非线性 Non-linearity	0. 025		±% of rated
11 ->4			output
 滞后性 Hysteresis	0. 025		±% of rated
			output
非重复性 Non-repeatability	0.020		±% of rated
			output
蠕变(20分钟) Creep error(20	0.030		±% of rated
minutes)			output
零点回复(20分钟) Zero return	0. 030		±% of rated
(20 minutes)			output
零点温度补偿		0. 0026	±% of rated
Temperature effect on min.	0. 0017		output/℃
dead load output			1 ,
输出温度补偿			±% of
Temperature effect on	0.0010	0.0015	applied
sensitivity			load/℃
温度补偿范围	-10 to +40		°C
Compensated temperature range			
工作温度范围	-20 to +60		$^{\circ}$
Operating temperature range			
安全过载 Safe overload	150		% of R.C.
极限过载 Ultimate overload	300		% of R.C.
建议激励电压 Excitation,	10		VDC or VAC
recommended			RMS
最大激励电压 Excitation,	15		VDC or VAC
maximum			RMS
输入阻抗 Input impedance	385±5		Ω

输出阻抗 Output impedance	350 ± 3	Ω
绝缘阻抗 Insulation resistance	>5000	МΩ
材质 Construction	合金钢镀镍 Nickel-plated alloy steel*	
防护等级 Environmental protection	IP67	

^{* 200} kg is made of aluminum.

All specifications subject to change without notice.

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^{** 200} kg is 2 mV/V.



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