

PCM 称重传感器 C-CLS-30Te



压缩加载单元

模型: *c-cls*

主要特点:

能力 *30te-500te*。

准确度 *0.023%*克。

IP68 等级。

应用:

重型称重。

Rolling Mills。

产业平台。

测试平台。

数据表: *c-cls* 压缩负荷细胞

压缩加载单元

从不锈钢生产, *CLS* 是一个柱设计压缩负载单元, 适合在所有环境中使用。*CLS* 负载细胞完全激光焊接和

密封 IP68 提供长期的稳定性和高的机械阻力。

作为一个独立的加载头提供标准,以最大限度地提高性能,CLS 是一个流行的选择。此外,PCM 具有 500te

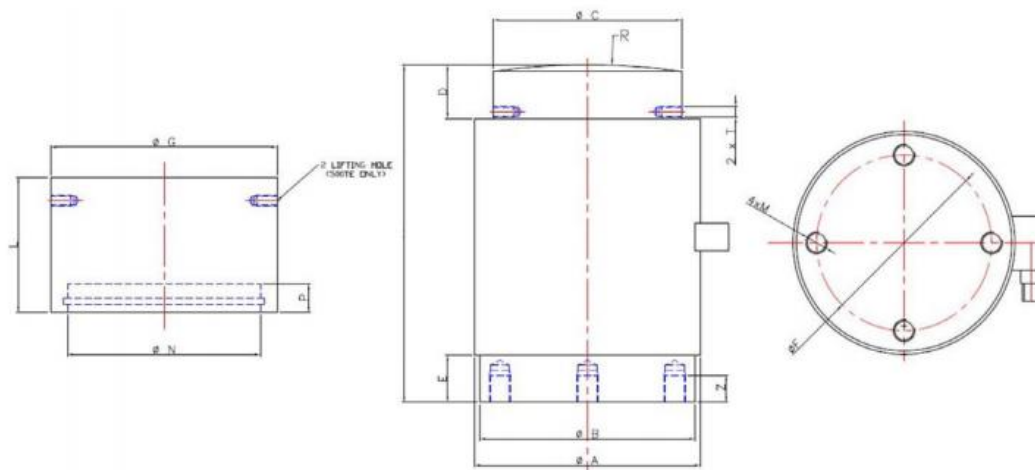
额定负载细胞 CLS 可雇佣适合一次性客户要求。

要查看完整的规范,请下载产品数据表。

PARAMETER	VALUE			UNITS
Capacities Range <i>(E_{max})</i>	30, 60, 100,	200, 300,	500	Te
Nominal Sensitivity	2 ±0.1%			mV/V
Minimum Verification Interval <i>(V_{min})</i>	E _{max} / 10000			-
Combined Error	0.023			±% of Rated Output
Non Repeatability	0.010			±% of Rated Output
Zero Return AFTER 30 MINUTES	0.026			±% of Rated Output
Creep ⁽¹⁾ OVER 30 MINUTES	0.028			±% of Rated Output
Creep ⁽¹⁾ OVER 20 & 30 MINUTES	0.008			±% of Rated Output
Temperature Effect ON ZERO	0.024			±% of Rated Output/°C
Temperature Effect ON OUTPUT	0.017			±% of Rated Output/°C
Input Impedance	700±2	350±2		Ω
Output Impedance	700±2	350±2		Ω
Insulation Resistance	>5			GΩ
Zero Balance	1			±% of Rated Output
Excitation: Recommended	10			Volts AC or DC
Excitation: Maximum	18			Volts AC or DC
Temperature Range COMPENSATED	-20 to +70			°C
Temperature Range OPERATING	-20 to +80			°C
Mechanical Limit SAFE OVERLOAD	150			% of Rated Output
Mechanical Limit ULTIMATE OVERLOAD	300			% of Rated Output
Mechanical Limit MAXIMUM TRANSVERSE LOAD	50			% of Rated Output
Cable Length	5			m
Sensor Construction Material	Stainless Steel			-
Environmental Protection	IP68			-
Weight	7	16	31	~KG
OPTION: Connector Output	MIL-C-5015 7 poles male			-
OPTION: Environmental Protection	IP65			-

¹⁾ Acceleration of gravity $g=9.80434\text{m/s}^2$

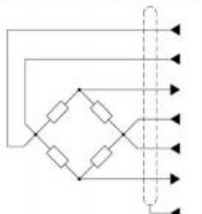
Outline Dimensions in millimetres



CAPACITY (Te)	ØA	ØB	ØC	D	E	F	ØG	H	L	M	ØN	P	R	T	Z
30	102	94	76	15	15	70	102	165	65	M8	79	12	200	-	16
60															
100															
200	129	122	106	20	14	90	129	215	80	M12	109	17	350	-	18
300															
500	168	160	140	35	35	130	168	250	100	M16	143	21	500	M8	20

If the dimensions or specification do not suit, PCM has an in-house design team that should be able to satisfy your requirements.

Electrical Connections

SCHEMATIC DIAGRAM	OUTPUT	CABLE ⁽²⁾	MIL7M ⁽³⁾ OPTIONAL	M12 ⁽³⁾ OPTIONAL
	EXCITATION +	RED	C	1
	SENSE +	ORANGE	F	5
	OUTPUT +	WHITE	A	3
	EXCITATION -	BLACK	B	2
	SENSE -	BLUE	G	6
	OUTPUT -	YELLOW	D	4
	-----	SHIELD	E	8

⁽²⁾PVC 105°C shielded cable, Ø5.2mm with 4 tinned Ø0.25mm² conductors. Shield connected to the body of the load cell.

⁽³⁾**M12 OPTION:** Supplied with mating female 8 poles straight M12x1 connector, complete with 5m PVC 80°C shielded cable, Ø5.2mm with 6 tinned Ø0.25mm² conductors.