



## 应用:

传感器高度低, 可用于低、中、高量程称重系统。

一些典型应用为:

- 皮带秤, 重量给料机;
- 小型称重平台。

## 主要特性:

- 防水设计, 防护等级IP68;
- 对侧向载荷有较高抗力;
- 可提供双路输出, 用于冗余系统;
- 可提供 CANopen 输出 (CIA404)
- 可提供4-20mA输出;
- 微等离子体焊接;
- 测量精度高, 等同于OIML C3;
- ATEX防爆认证。
- 量程规格: 0.5, 1, 2, 5, 7.5, 10, 15, 20, 30, 50, 100, 150, 200 ton

## 技术参数根据VDI/VDE 2637规范

计量特性	Par.	Un.	
综合误差	Fcomb	±%Ln	0.035
量程规格	Ln	ton	0.5, 1, 2, 5, 7.5, 10, 15, 20, 30, 50, 100, 150, 200
最小负载	Lp	%Ln	25
最大负载	Ll	%Ln	150
线性误差	Flin	±%Ln	0.02
滞后特性	Fu	±%Ln	0.015
重复误差	Fv	±%Ln	0.01
蠕变特性 (30分钟)	Fcr	±%Ln	0.02
补偿温度	Btn	°C	-10 .. +40
零点温漂 (10 .. 60°C, 超过10°C)	TK0	±%Cn	0.065
输出温漂 (10 .. 60°C, 每10°C)	TKC	±%Cn	0.035
温度梯度		K/h	<5

## 电气参数

额定输出	Cn	mV/V	2
额定输出公差	Dc	±%Cn	0.1
激励电压	Bsu	V	1 .. 24
最大激励电压		V	30
输入电阻	Re	Ω	850±10%
输出电阻	Ra	Ω	700±1%
绝缘电阻@20V	Ris	MΩ	>2000
零点平衡	Do	±%Cn	2

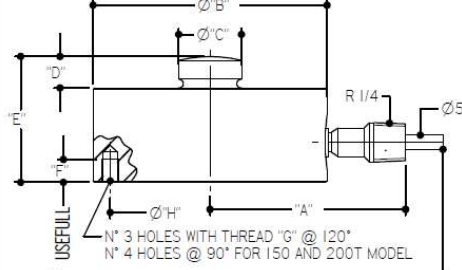
## 机械参数

极限负载	Ld	%Ln	> 300
最大侧向负载	Llq	%Ln	> 300
最大变形量	hn	mm	<0.5
电缆长度		m	5
自身重量		Kg	1.5 .. 7.5

## 环境条件

工作温度	Btn	°C	-40 .. +80
存放温度	Bts	°C	-40 .. +80
防护等级			IP68

# TYPE 142 压式称重传感器



SHIELDED POLYURETHANE CABLE WITH 4x0,35 mm<sup>2</sup> FOR SINGLE BRIDGE AND 8x0,125mm<sup>2</sup> FOR DOUBLE BRIDGE STANDARD LENGTH 5m OTHER LENGTH ON REQUEST

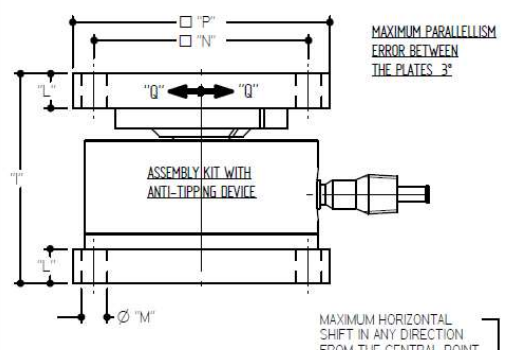
SINGLE BRIDGE	TYPE #2-XXX-C3		TYPE #2MA-XXX-C3		TYPE #2CO-XXX-C3	
	COLOR	FUNCTION	COLOR	FUNCTION	COLOR	FUNCTION
BLUE	+SUPPLY	BLUE	+SUPPLY	BLUE	+SUPPLY	
BLACK	-SUPPLY	BROWN	-SUPPLY	BROWN	-SUPPLY	
RED	+SIGNAL	GRAY	+4-20mA	RED	CAN H	
WHITE	-SIGNAL			WHITE	CAN L	

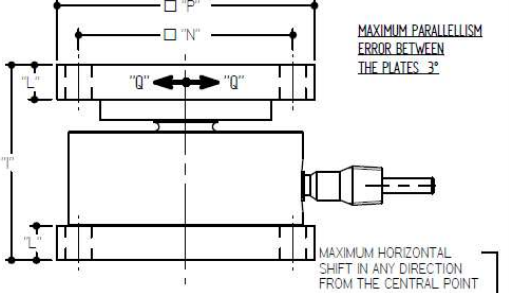
DOUBLE BRIDGE	TYPE #2DP-XXX-C3		TYPE #2DPA-XXX-C3		TYPE #2DPCO-XXX-C3	
	COLOR	FUNCTION	COLOR	FUNCTION	COLOR	FUNCTION
GREEN	+SUPPLY	GREEN	+SUPPLY	GREEN	+SUPPLY	
YELLOW	-SUPPLY	YELLOW	-SUPPLY	YELLOW	-SUPPLY	
GRAY	+SIGNAL	GRAY	+4-20mA	GRAY	CAN H	
PINK	-SIGNAL			PINK	CAN L	
BLUE	+SUPPLY	BLUE	+SUPPLY	BLUE	+SUPPLY	
BROWN	-SUPPLY	BROWN	-SUPPLY	BROWN	-SUPPLY	
RED	+SIGNAL	RED	+4-20mA	RED	CAN H	
WHITE	-SIGNAL			WHITE	CAN L	

142-XXX-C3 ORDERING INFORMATION

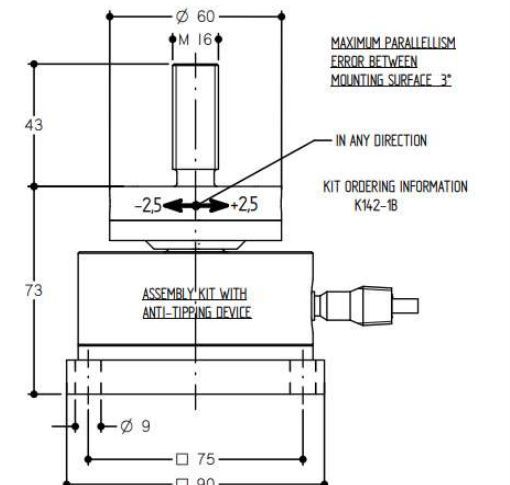
NOMINAL LOAD	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
500k								
1t								
2t	66	82	22	11	44	8	M6	70
5t								
7,5t								
10t								
15t	74	99	28	11	48	15	M10	80
20t								
30t	88	126	35	12	54	15	M12	105
50t								
100t	107	164	55	15	65	20	M16	130
150t	107	164	55	13	71	20	M16	130



KIT ORDERING INFORMATION	NOMINAL LOAD	"I"	"L"	"M"	"N"	"P"	"Q"
K142-1H	=<10t	73	12	9	75	90	2.5
K142-2H	10-20t	80	12	11.5	90	110	4
K142-3H	30t	94	15	13	115	140	5



KIT ORDERING INFORMATION	NOMINAL LOAD	"I"	"L"	"M"	"N"	"P"	"Q"
K142-1D	=<10t	68	12	9	75	90	1.5
K142-2D	10-20t	72	12	11.5	90	110	1.5
K142-3D	30t	84	15	13	115	140	1.5
K142-4D	50-100t	115	25	18	150	180	10
K142-4D	150t	121	25	18	150	180	10
K142-4D	200t	129	25	18	150	180	10



MOUNTING KIT TYPE K142-1L FOR LOAD CELL 142 =<20T

