



FORCE SENSOR SPEC FOR CUSTOMER CONFIRMATION

Detailed description is very important for product selection

No.	ITEM	SPECIFICATION		DESCRIPTION
	A-force sensor	Example	Customer fill in	
1	a1, model:	<i>MLC301</i>	MLC301	
2	a2, strain gauge:	<i>Full beidge</i>	Full beidge	full bridge(one load cell for one weighing cell), half brige(2-4pcs load cell for one weighing cell)
3	a3, load range:	<i>50kg</i>	100G	(0-20g(min)-1000t(max)):
4	a4, over load:	<i>60kg</i>	60G	120%,150%
5	a5, Material	<i>alloy aluminum</i>	alloy aluminum	alloy steel, stainless steel, alloy aluminum
6	B-FORCE TYPE			
7	b1. Force type	<i>compression</i>	compression	Compression, tension, tension, multi-directional force
8	b2. Application	<i>overload</i>	overload	weighing scale, engineer force, test equipment, overload safe
9	C-WEIGHING PLATFORM			
10	c1,weighing platform dimension	<i>450*450*25</i>	na	na
11	c2, the qty of load cell in one weighign platform	<i>4</i>	na	na
12	c3, the total weight range weighing platform:	<i>0-500kg</i>	na	na
13	c4, measure accuracy	<i>1kg</i>	0.1?	0.1g, 0.5g,,1g,2.5g,10g,0.1kg,0.5kg,1kg,2kg,5kg,10kg etc. (the minest weighing unit)
14	c5. composition error	<i>0.05%FS</i>	0.05%FS	0.01%, 0.02%, 0.05%, 0.1%, 0.2%, 0.5% etc.
15	D-MEASURE ENVIRONMENT			
16	d1, medium temperature	<i>(-10c to 50c)</i>	?	(-20~-60-200c):
17	d2, environment temperature:	<i>(-20-65)</i>	?	0-65c
18	d3, ambient humidity:	<i>85%</i>		75%
19	d4, corrosive activity:	<i>anodizing</i>		anodizing, electroplating
20	d5, explosion proof:NA	<i>NA</i>		NA
21	E-ELECTRICALSPEC			
22	e1, work voltage	<i>3.3V-12v</i>	10VDC	3vdc, 5vdc, 10vdc, 24vdc
23	e2, signal input	<i>mv/v</i>	na	na
24	e3, signal output	<i>mv/v</i>	MV/V	MV/V: 0-5vdc, 0.5-4.5vdc, 0-10vdc, 4-20mA
25	e4, digital signal output	<i>NA</i>		RS232, RS485, WIFI,BT, RJ45 HART, BUS CAN
26	e5, location display	<i>NA</i>		Point dial, LED, LCD, HMI
27	e6, wire spec:	<i>UL1571</i>		Conventional , UL1571 AWG26#,28#,30#,32#



MANYEAR TECHNOLOGY

force sensor specification selection reference

		<i>AWG28#</i>		
28	e7, wire length:	<i>350</i>		0-420mm,1m,2m,3m,4m,5m
29	e8, connector:	<i>ZHR-4</i>		JST PHR/ZHR-3PIN/4PIN, MOLEX 3PIN/4PIN
30	F-PURCHASE QTY			
31	f1, Customers purchasing (TOTAL) pcs/set	<i>10K/sets</i>	<i>?</i>	Customers purchase quantity per PLAN
32	f2, Customers purchasing (MOQ) pcs/set	<i>1K/sets</i>	<i>?</i>	Customers purchase quantity per ORDER