



PART#	CAPACITY
LS-301-3	3 kg
LS-301-5	5 kg
LS-301-7	7 kg
LS-301-10	10 kg
LS-301-15	15 kg
LS-301-20	20 kg
LS-301-30	30 kg
LS-301-50	50 kg
LS-301-75	75 kg
LS-301-100	100 kg

RATED CAPACITY	DIMENSIONS										
	A	B	C	D	E	F	G	H	I	J	
<b>lb/inches</b>											
7-66 lb	5.91	1.58	0.79	0.24	0.75	3.94	1.34	1/4-20UNF x 0.44 dp	0.37	0.75	
110-220 lb	5.91	1.58	0.99	0.24	0.75	3.94	1.34	1/4-20UNF x 0.44 dp	0.37	0.75	
<b>kg/mm</b>											
3-30 kg	150.11	40.13	20.01	6.10	19.05	100.08	34.04	1/4-20UNF x 0.44 dp	9.40	19.05	
50-100 kg	150.11	40.13	25.14	6.10	19.05	100.08	34.04	1/4-20UNF x 0.44 dp	9.40	19.05	

**SPECIFICATIONS**

**Rated Capacity:**

kg: 3/5/7/10/15/20/30/50/75/100

**Rated Output:**

2.0±0.2mV/V

**Non-linearity:**

±0.02% F.S.

**Hysteresis:**

±0.02% F.S.

**Repeatability:**

±0.02% F.S.

**Creep (30 minutes):**

±0.03% F.S.

**Temperature Effect on Span:**

±0.0015% F.S./C

**Temperature Effect on Zero:**

±0.0027% F.S./C

**Zero Balance:**

±1.00% F.S./C

**Insulation Resistance:**

>5000 MEGOHMS

**Input Impedance:**

410±10Ω

**Output Impedance:**

350±3Ω

**Safe Overload:**

150% F.S.

**Destructive Load:**

200% F.S.

**Excitation Recommended:**

4-12V AC/DC

**Material/Finish:**

Aluminum

**Operation Temperature:**

-10°C - + 40°C (14°F - 104°F)

**Cable Length:**

Standard Cable - 20ft/6m

**Load Cell Wiring:**

Red..... +Excitation  
Black.....-Excitation  
Green.....+Signal  
White.....-Signal

**INTERCHANGEABLE PRODUCTS**

Cardinal: **TSP**