



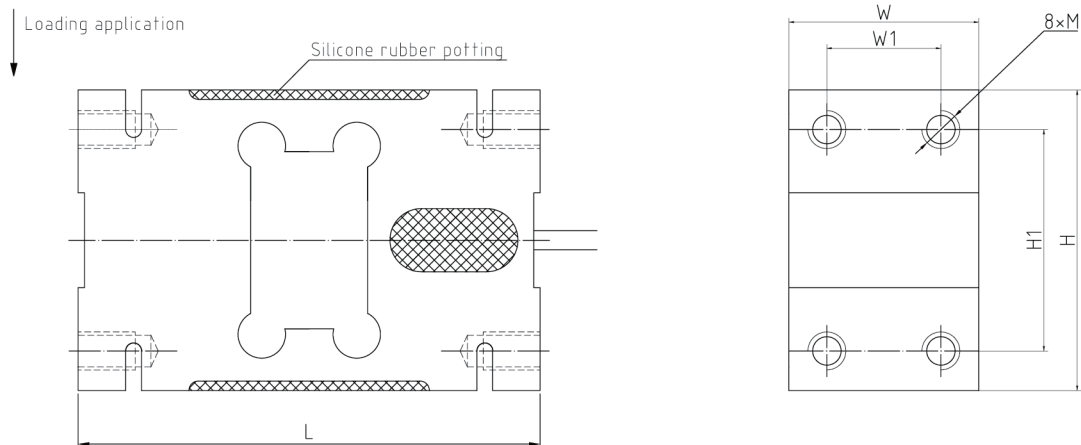
Main Features:

- Material: Aluminum
- Rated Capacities: 300kg-2t
- OIML R60, NTEP HB44, CPA, CE and RoHS certified
- IP Rating: IP66
- Suitable for single load cell structural heavy duty platform scales
- Max platform size: 1200*1200mm

Product description:

SP1320 is a typical and heavy duty aluminum single point load cell that is with large capacity by 2t and ideal for a wide range of weighing equipment. Environmentally sealed with potting compound to ensure reliability and durability. The industry standard size and mounting hole configuration makes the SP1320 suitable for large-size platform by 1200*1200mm, or as a replacement for existed weighing equipment. Besides for common applications of weighing equipment, it also can be used for force measurement on controlling.

Dimensions (mm&inch):



Rated Capacity	L	W	W1	H	H1	M
kg/mm						
300-500; 750SE	146	60	36	95	70	M12 18deep
750-2,000	176	76	46	125	95	M16 20deep

SP1320 Single Point Load Cell Specifications

Parameter		Units	Specifications	
Model No.			SP1320	
Rated capacity (E _{max})		kg	300 / 500 / 750SE	750 / 1000 / 2000
Accuracy class ¹²⁾			C3	C6
Min. dead load		kg	0	
Rated output		mV/V	2.0 ± 0.2	
Zero balance		% of E _{max}	± 2	
Repeatability error		% of AL ³⁾	< ± 0.010	< ± 0.005
Creep; 30 minute		% of AL	< ± 0.017	< ± 0.0083
Min. dead load output return (DR); 30 min		% of AL	< ± 0.017	< ± 0.0083
Temp. effect on	Min. dead load output	% of E _{max} /°C	< ± 0.0020	< ± 0.0014
	Rated output ²⁾	% of AL/°C	< ± 0.0012	< ± 0.0006
Temperature range	Compensated	°C(°F)	-10 to +40 [+14 to +104]	
	Operating		-10 to +50 [-40 to +122]	
	Safe storage		-30 to +70 [-22 to +158]	
Excitation voltage	Recommended	V AC/DC	5 ~ 15	
	Maximum		15	
Terminal resistance	Excitation	Ω	403 ± 5	
	Output		350 ± 3	
Insulation resistance @50VDC		MΩ	> 5000	
Breakdown voltage		V AC	> 500	
Seal type / IP rating			potted silicon sealed / IP66	
Load limit	Safe	% of E _{max}	150	
	Ultimate		300	
Material	Spring element		Aluminum, anodizing	
	Cable		Φ6; 4-wire; PVC	
Cable length		m	3.0	
Maximum platform size		mm	600*800	1200*1200
Offer center load error (OIML R76)		% of AL/cm	< ± 0.0016	
Weight; approx		kg	1.8	3.6
Fatigue life		cycles @E _{max}	> 1,000,000	
Deflection at E _{max} ; approx		mm	< 0.5	
Barometric pressure effect on Zero Output		Vmin/kPa	< 1.0	
Mounting screw	Size/Grade		M12-10.9	M16-10.9
	Recommended torque	N.m	98.0	160.0

Notes:

¹⁾ Error due to the combined effect of non-linearity and hysteresis

²⁾ The sum of errors due to Temperature Effect on Output comply with the requirements of OIML R60 and NIST HB44

³⁾ AL = Applied Load

Cable Colour Code

Red	+Excitation
Black	-Excitation
Green	+Signal
White	-Signal
Yellow	Shield

Shield not connected to load cell body

Interchangeable Products:

Manufacturer	Model
Vishay Celtron	HOC
Vishay TedeA-Huntleigh	1320
Zemic	L6F