SP2

SCALE-TEC
MEASUREMENT WITH CONFIDENCE

- Stainless steel IP68 low profile load cell
- Suitable for hopper, platform and pallet scales
- Integrated static overload protection.

AVAILABLE MODELS

Capacity	Accuracy	Full article description
60 kg	C3	SP2 -60kg -C3 -3G
130 kg	C3	SP2 -130kg -C3 -3G
280 kg	C3	SP2 -280kg -C3 -3G
250 kg	C3	SP2 -250kg -C3 -3G
500 kg	C3	SP2 -500kg -C3 -3G
1 t	C3	SP2 -1t -C3 -3G
2 t	C3	SP2-2t -C3 -6G
3.5 t	C3	SP2-3.5t -C3 -6G
5 t	C3	SP2-5t -C3 -6G
10 t	C3	SP2-10t -C3 -15G
13 t	C3	SP2-13t -C3 -15G
28 t	C3	SP2-28t -C3 -15G
60 t	C3	SP2-60t -C3 -15G



SP2
60kg - 280kg



SP2
250kg - 13t



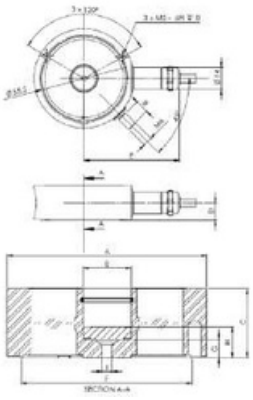
SP2
28t - 60t

SPECIFICATION

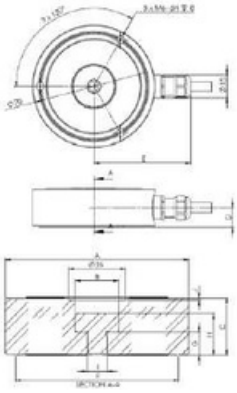
Accuracy class		C3					
Output sensitivity (= FS)	mV/V	1±0.01	1.75±0.1	2.0±0.1	2.0±0.1	2.0±0.1	2.0±0.1
Maximum capacity (Emax)	t	0.06/0.13/0.28	0.25	0.5/1/ 2/3.5/5/10	13	28	60
Maximum number of load cell intervals (nLC)		3000					
Ratio of minimum LC verification interval Y=Emax / Vmin		10000					
Combined error	%FS	±0.0230					
Minimum dead load	%FS	0					
Safe overload	%FS	150					
Safe sideload	%FS	75					
Zero balance	%FS	± 1.0					
Excitation, recommended voltage	V	10 ~ 15(DC)					
Excitation maximum	V	30 (DC)					
Input resistance	Ω	1260	1100 ±100	1100 ±100	1200 ±100	1075 1350 ±100 ±200	
Output resistance	Ω	±100	1025 ± 25	1025 ± 25	1000 ± 0.5	930 ± 0.5	1175 ± 0.5
Insulation resistance	MΩ	1020 ±	≥ 5000 (50VDC)				
Compensated temperature	°C	-10 ~+40					
Operating temperature	°C	0.5	-35 ~ +65				
Temperature range, storage	°C		-40 ~ +70				
Element material			Stainless steel				
Ingress protection (according to EN 60529)			IP67				
Recommended torque on fixation	N.m	M5: 3.5 M6:10					

DIMENSIONS IN MM

0.06, 0.13, 0.28t



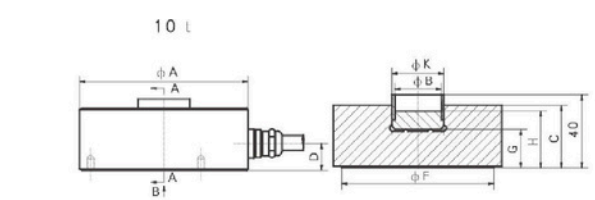
250kg, 0.5, 1, 2, 3.5, 5t

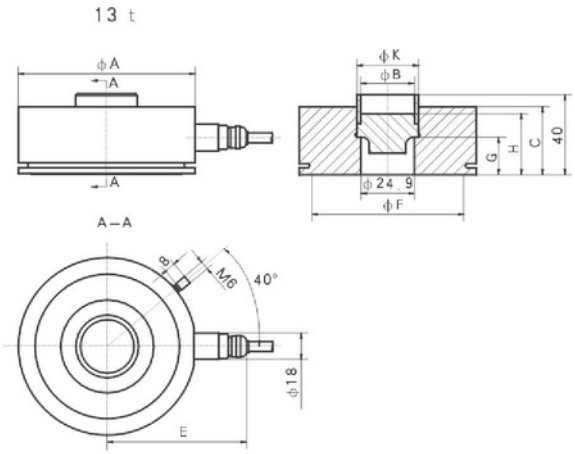


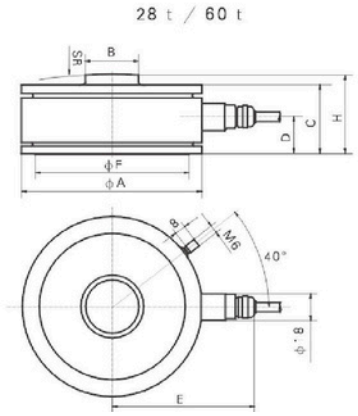
SCALE-TEC
MEASUREMENT WITH CONFIDENCE

SP2

OUTLINE DIMENSION MM (INCH)

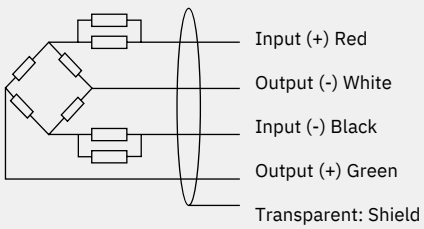






Dimension / Capacity	ΦA	ΦB	C	D	E	ΦF	G	H	I	J	ΦK	SR
60kg / 130kg / 280kg	63	15.1	22	11	60	54	6	10	Φ3.2	-- 1	-- 25	-- --
0.25t/0.5t/1t	80	19	26	12.5	65	71	10	18	M10	6 --	25 29	-- --
2t / 3.5t	80	19	30	12.5	65	71	10	18	Φ15	--	29	--
10t	95	26	35	12.5	72	75	20.7	31.2	--	--	--	400
13t	95	26	35	20	85	79.5	20	31	--	--	--	600
28t	120	35.9	46	25	94	102	--	53	--			
60t	140	47.9	62	34	104	124	--	69	--			

WIRING



- Adopt shielded, 4 conductor cable: Φ6.2±0.1mm

Capacity	Standard cable length (m)
60Kg 130Kg 250Kg 280Kg 500Kg 1t 2t	3
3.5t 5t	6
10t 13t 28t 60t	15