

SUN SCALE



SHS Avoirdupois Load Cell

- **Stainless Steel** construction
(except 20K model)
- Capacities from 500 to 20,000 pounds
- 3 mv/v output
- Avoirdupois fine threads, USA standard

SPECIFICATIONS

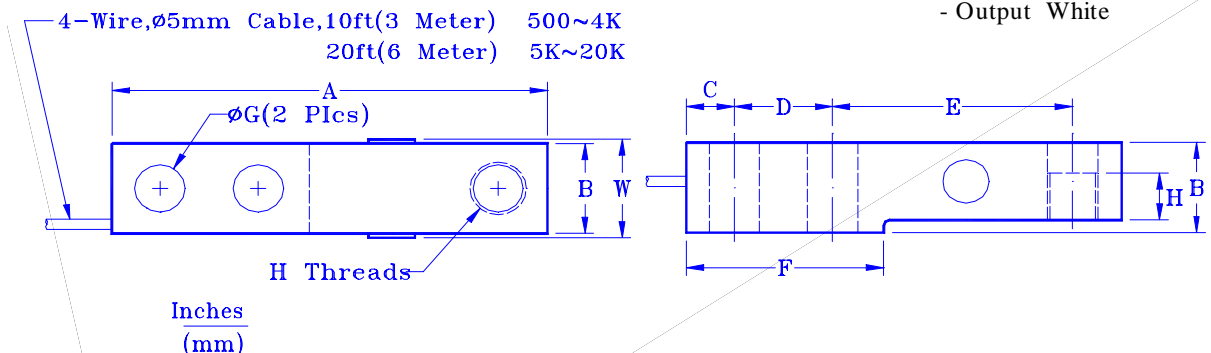
Accuracy Class, NTEP (max. number of intervals)	A1 (1000)	A3 (3000)	A5 (5000)
Rated Capacities (pounds)	500, 1k, 2.5k, 4k, 5k, 10k, 20k		
Combined Error (% of R.O.)	0.040	0.030	0.020
Non-Repeatability (% of R.O.)	0.015	0.010	0.010
Minimum Division Size (v min., % of R.O.)	0.030	0.017	0.010
Temperature Coefficient			
Output (ppm/ °C, of load)	16	10	5
Zero (ppm/ °C, of R.O.)	42	23	14
Creep (% of load, 60 Min.)	0.067	0.050	0.050
Rated Output (mv/v)	3 ± 0.25%		
Zero Balance (% of R.O.)	± 2		
Excitation (Volt)	10 recommended, 15 Max.		
Input Impedance (Ω)	385 ± 10		
Output Impedance (Ω)	350 ± 1%		
Operating Temperature Range (°C)	-40 to +60		
Environmental Protection (DIN)	IP 65		
Safe Overload (% of R.O.)	150		
Deflection (Inch, @ Rated Capacity)	0.02, 0.02, 0.03, 0.04, 0.04, 0.05, 0.08		

Example for Order Number: **SHS-5K-A5**, **SHS**: load cell type, **5K**: capacity (5000 pounds),
A5: accuracy class, NTEP Class III 5000M divisions.

DIMENSIONS

Wiring Code:

- +Input Red
- Input Black
- +Output Green
- Output White



Capacity (lbs)	A	B	C	D	E	F	G	H	W
500~4K	5.12 (130)	1.23 (31.2)	0.62 (15.9)	1.00 (25.4)	3.00 (76.2)	2.25 (57.2)	0.51 (13.0)	1/2-20UNF Full	1.43 (36.3)
5K~10K	6.75 (171)	1.48 (37.5)	0.75 (19.1)	1.50 (38.1)	3.75 (95.3)	3.00 (76.2)	0.78 (20.0)	3/4-16UNF Full	1.68 (42.6)
20K	8.88 (225)	1.97 (50.0)	1.00 (25.4)	2.00 (50.8)	4.88 (124)	4.00 (102)	1.02 (26.0)	1-14 UNS 1"	2.15 (54.5)