



MODEL IDS657 Series SDS Load cell

SDS LOAD CELL
HIGH PRECISION
& PERFORMANCE

Features

- Capacities 10K - 75 Klbs
- Low profile design for weight bridge and silo applications
- Nickel plated alloy steel construction
- NTEP approved IP67 protection



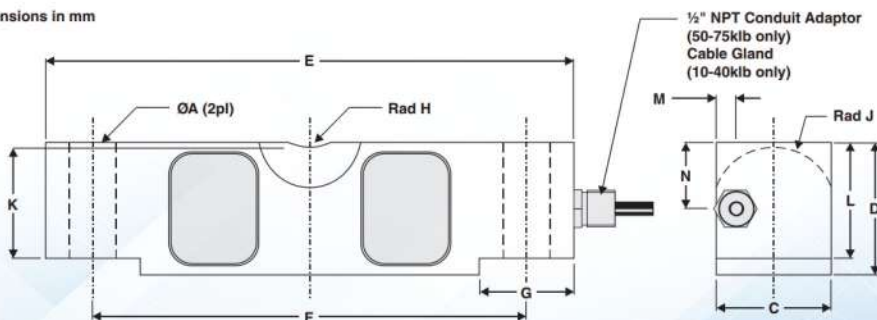
Compatible with 4158 TEDEA

Specification

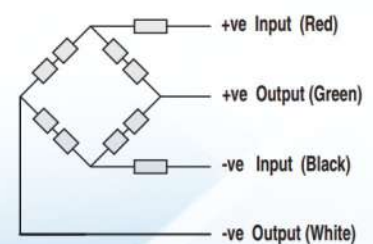
PARAMETER	VALUE	UNIT
Capacity	10,20,25,40,50,60,75	Klbs
Rated output	3 ± 0.2	mV/V
Zero balance	± 0.09	mV/V
Input resistance	780 ± 20	Ohms
Output resistance	705 ± 5	Ohms
Non linearity	± 0.025	% R.O.
Hysteresis	± 0.025	% R.O.
Non-repeatability	0.02	% R.O.
Creep	± 2	µV / 12V / 80% R.O./1min
Zero shift	± 2	µV / 12V / 80% R.O./1min
Power on stability	± 2	µV / 10V / 2 min
Temperature effect on zero	± 0.0013	% R.O / 10 °C
Temperature effect on rated output	± 0.0025	% R.O / 10 °C
Operating temperature range	-10 ~ +40	°C
Excitation recommended	10 ~ 15	V
Safe overload	200	% R.O.
Insulation resistance	≥ 1000 (50 VDC)	Mega-Ohms
Cable , Length	6 wire x 7.5 m	

All specifications listed are subject to change without notice.

All dimensions in mm



Wiring Schematic Diagram



CAPACITY	ØA	C	D	E	F	G	Rad H	Rad J	K	L	M	N
10-25Klb	17.3	42.9	49.3	196.9	165.1	35.9	19.1	22.9	41.4	43.2	8.8	13.6
40 Klb	20.6	49.3	62.0	260.4	215.9	49.0	25.4	28.5	50.8	53.3	9.0	31.0
50-75 Klb	26.9	62.0	74.7	260.4	215.9	49.0	34.8	34.8	64.5	67.3	10.4	10.4