



5510 Series Shear Beam Load Cells

Part No. [5510-500KG-A3-K](#)Part No. [F5510-0.5T-2T](#)

Features

- Sturdy design constructed from stainless steel
- IP67 for harsher condition environments
- Capacities from 500 kg to 2000 kg (1,100 lb to 4,400 lb) at 0.03% accuracy of full scale
- Well suited to large scales, hoppers, filling, tank and vessel weighing applications



5510 Series Shear Beam Load Cell Selection										
Part Number	Load Rating	Operating Voltage	Voltage Signal Range	Material	IP Rating	Electrical Connection	Pcs/Pkg	Wt (lb)	Price	Drawing Links
5510-500KG-A3-K	1102 lb / 500 kg	3-12 VDC	1.8-2.2 mV/V	Stainless Steel 17/4 PH	IP67	26.2ft / 8m integral 4-wire shielded cable	1	2.74	\$159.00	PDF
5510-1T-A3-K	2204 lb / 1000 kg						1	2.79	\$159.00	PDF
5510-1.5T-A3-K	3306 lb / 1500 kg						1	2.77	\$159.00	PDF
5510-2T-A3-K	4409 lb / 2000 kg						1	2.79	\$159.00	PDF
5510 Series Shear Beam Load Cell Accessory										
F5510-0.5T-2T	Sensy leveling foot, stainless steel, 4409 lb / 2000 kg. For use with Sensy 5510 series load cells.						1	1.29	\$69.00	PDF

5510 Series Shear Beam Load Cell Technical Specifications			
Accuracy Class	0.03 %** Full Scale	Sensitivity Tolerance	<± 0.2 %
Combined Error (Non-Linearity + Hysteresis)	<± 0.03 %*	Input Resistance	350Ω ± 2Ω
Repeatability Error	<± 0.015 %*	Output Resistance	350Ω ± 2Ω
Creep Error Over 30 Min.	<± 0.03 %*	Insulation Resistance (50V)	> 5000 MΩ
Reference Temperature	23 °C [73.4 °F]	Reference Excitation Voltage	10 VDC
Compensated Temperature Range	-10 to 45 °C [14 to 113 °F]	Permissible Nominal Range of Excitation Voltage	3 to 12 VDC
Service Temperature Range	-30 to 70 °C [-22 to 158 °F]	Safe Load Limit	150%*
Storage Temperature Range	-50 to 85 °C [-58 to 185 °F]	Breaking Load	> 300%*
Temperature Coefficient of the Sensitivity	<± 0.05 %* / 10 °C [50 °F]	Permissible Dynamic Loading	50%*
Temperature Coefficient of Zero Signal	<± 0.05 %* / 10 °C [50 °F]	Static Lateral Force Limit	100%*
Nominal Sensitivity	2 mV/V	Mounting Hole Size	(2) 13mm and (1) M12-1.75 threaded

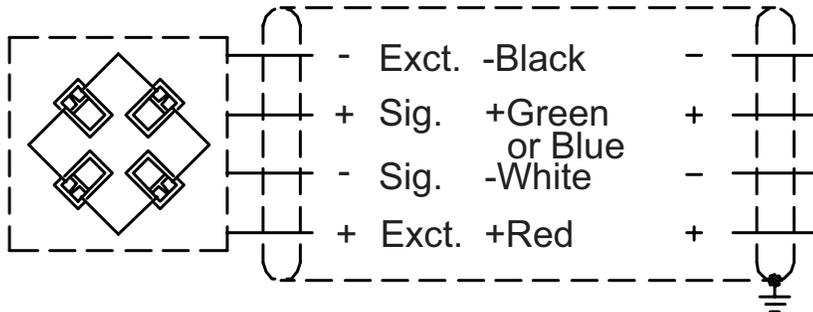
* Full Scale

** Except thermal Drifts



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Wiring



Cable shield not connected to the load cell

Load Direction

