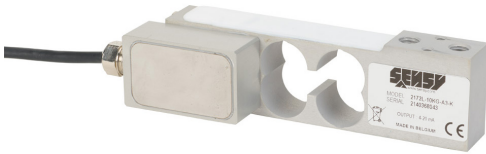




2172L Series Single Point Load Cells



Part No. 2172L-10KG-A3-K

Features

- Constructed from aircraft-grade, anodized aluminum alloy
- Can handle off-center loads for platforms up to 400x400mm
- Capacities from 10kg to 75kg (22lbs to 165lbs) at 0.03% accuracy of full scale
- 3-wire 4-20mA output
- Well suited to single point scales, small hoppers, filling, packaging, and batching applications



2172L Series Single Point Load Cell Selection

Part Number	Capacity	Operating Voltage	Current Signal Range	Material	IP Rating	Electrical Connection	Pcs/Pkg	Wt(lb)	Price	Drawing Links
2172L-10KG-A3-K	22lb / 10kg	12-30 VDC	4-20 mA	Anodized Aluminum	IP63	6.5ft/2m integral 3-wire shielded cable	1	0.94	\$395.00	PDF
2172L-20KG-A3-K	44lb / 20kg						1	0.94	\$395.00	PDF
2172L-30KG-A3-K	66lb / 30kg						1	0.94	\$395.00	PDF
2172L-50KG-A3-K	110lb / 50kg						1	0.94	\$395.00	PDF
2172L-75KG-A3-K	165lb / 75kg						1	0.95	\$395.00	PDF

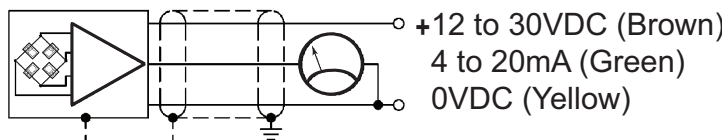
2172L Series Single Point Load Cell Technical Specifications

Accuracy Class	0.03 %** Full Scale	Temperature Coefficient of the Sensitivity	<± 0.1 %* / 10°C [50°F]
Combined Error (Non-Linearity + Hysteresis)	<± 0.03 %*	Temperature Coefficient of Zero Signal	<± 0.05 %* / 10°C [50°F]
Repeatability Error	<± 0.015 %*	Insulation Resistance (50V)	> 5000 MΩ
Creep Error Over 30 Min.	<± 0.03 %*	Safe Load Limit	150%*
Reference Temperature	23°C [73.4°F]	Breaking Load	> 300%*
Compensated Temperature Range	-10 to 45°C [14 to 113°F]	Permissible Dynamic Loading	60%*
Service Temperature Range	-30 to 70°C [-22 to 158°F]	Static Lateral Force Limit	100%*
Storage Temperature Range	-50 to 85°C [-58 to 185°F]	Mounting Hole Size	(4) M8-1.25 threaded and (2) M4-0.7 threaded

* Full Scale

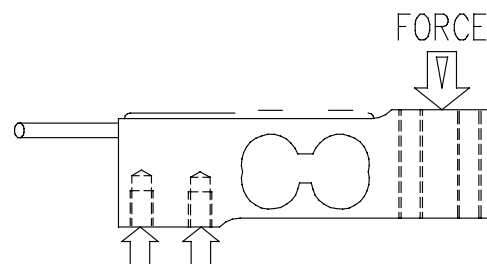
** Except thermal Drifts

2172L Wiring



Cable shield connected to transducer

Load Direction





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 500kg to 2000kg (1,100lbs to 4,400lbs) 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	Capacity	Operating Voltage	Voltage Signal Range	Material	IP Rating	Electrical Connection	Pcs/Pkg	Wt(lb)	Price	Drawing Links
5510-500KG-A3-K	1102lb / 500kg	3-12 VDC	1.8-2.2 mV/V	Stainless Steel 17/4 PH	IP67	26.2ft/8m integral 4-wire shielded cable	1	2.75	\$149.00	PDF
5510-1T-A3-K	2204lb / 1000kg						1	2.77	\$149.00	PDF
5510-1.5T-A3-K	3306lb / 1500kg						1	2.77	\$149.00	PDF
5510-2T-A3-K	4409lb / 2000kg						1	2.79	\$149.00	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	1.18	\$59.00	PDF
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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	10VDC
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	2mV/V	Mounting Hole Size	(2) 13mm and (1) M12-1.75 threaded

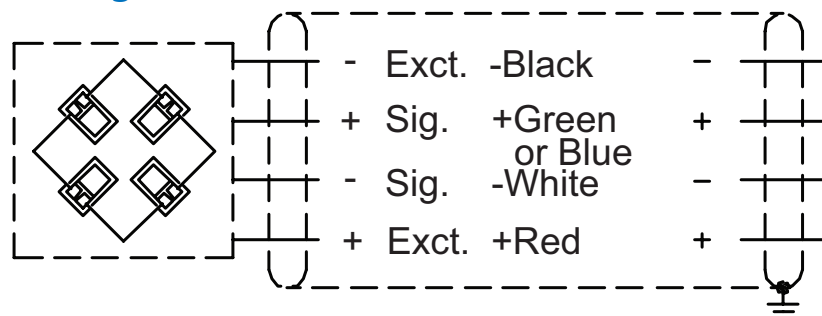
* Full Scale

** Except thermal Drifts



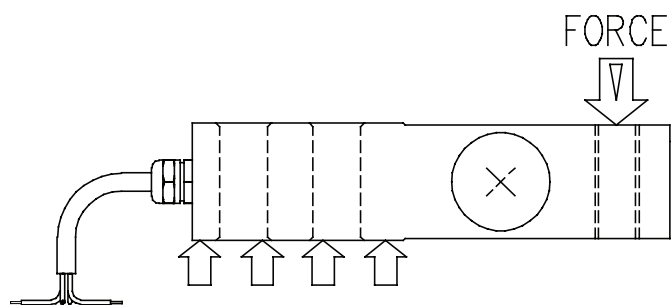
5510 Series Shear Beam Load Cells

Wiring



Cable shield not connected to the load cell

Load Direction





2782 Series Tension and Compression Load Cells



Part No. 2782-10DAN-0.1-B

Features

- Constructed from aircraft-grade, anodized aluminum alloy
- Can measure tension or compression with built-in overload protection
- Capacities from 10kg to 300kg (22lbs to 660lbs) at 0.1% accuracy of full scale
- 3-wire 4-20mA output
- Compact design for mounting in tight spaces
- Well suited to force measurement, suspended hoppers, and conveyor belt applications



2782 Series Tension and Compression Load Cell Selection

Part Number	Capacity	Operating Voltage	Current Signal Range	Material	IP Rating	Electrical Connection	Pcs/Pkg	Wt(lb)	Price	Drawing Links
2782-10DAN-0.1-B	22lb / 10kg	12-30 VDC	4-20 mA	Anodized Aluminum	IP54	6.5ft/2m integral 3-wire shielded cable	1	1.00	\$565.00	PDF
2782-30DAN-0.1-B	66lb / 30kg						1	1.00	\$565.00	PDF
2782-50DAN-0.1-B	110lb / 50kg						1	1.04	\$565.00	PDF
2782-100DAN-0.1-B	220lb / 100kg						1	1.11	\$565.00	PDF
2782-150DAN-0.1-B	330lb / 150kg						1	1.04	\$565.00	PDF
2782-200DAN-0.1-B	440lb / 200kg						1	1.06	\$565.00	PDF
2782-300DAN-0.1-B	660lb / 300kg						1	1.05	\$565.00	PDF

2782 Series Tension and Compression Load Cell Technical Specifications

Accuracy Class	0.1 %** Full Scale	Temperature Coefficient of the Sensitivity	<± 0.05 %* / 10°C [50°F]
Combined Error (Non-Linearity + Hysteresis)	<± 0.1 %*	Temperature Coefficient of Zero Signal	<± 0.035 %* / 10°C [50°F]
Repeatability Error	<± 0.03 %*	Insulation Resistance (50V)	> 5000 MΩ
Creep Error Over 30 Min.	<± 0.06 %*	Safe Load Limit	120%*
Reference Temperature	23°C [73.4°F]	Breaking Load	> 300%*
Compensated Temperature Range	-10 to 45°C [14 to 113°F]	Permissible Dynamic Loading	50%*
Service Temperature Range	-30 to 70°C [-22 to 158°F]	Static Lateral Force Limit	50%*
Storage Temperature Range	-50 to 85°C [-58 to 185°F]	Mounting Hole Size	22-220 lb - (2) M8-1.25 threaded 330-660 lb (2) M12-1.75 threaded

* Full Scale

** Except thermal Drifts

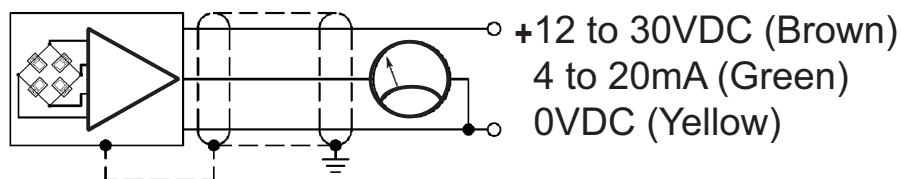
2782 Series Tension and Compression Load Cell Analog Output

Part Number	Capacity	4-12 mA	12-20 mA
2782-10DAN-0.1-B	22lb / 10kg	-22 to 0 lb / -10 to 0 kg	0 to 22 lb / 0 to 10 kg
2782-30DAN-0.1-B	66lb / 30kg	-66 to 0 lb / -30 to 0 kg	0 to 66 lb / 0 to 30 kg
2782-50DAN-0.1-B	110lb / 50kg	-110 to 0 lb / -50 to 0 kg	0 to 110 lb / 0 to 50 kg
2782-100DAN-0.1-B	220lb / 100kg	-220 to 0 lb / -100 to 0 kg	0 to 220 lb / 0 to 100 kg
2782-150DAN-0.1-B	330lb / 150kg	-330 to 0 lb / -150 to 0 kg	0 to 330 lb / 0 to 150 kg
2782-200DAN-0.1-B	440lb / 200kg	-440 to 0 lb / -200 to 0 kg	0 to 440 lb / 0 to 200 kg
2782-300DAN-0.1-B	660lb / 300kg	-660 to 0 lb / -300 to 0 kg	0 to 660 lb / 0 to 300 kg



2782 Series Tension and Compression Load Cells

Wiring



Cable shield connected to transducer

Load Direction

