



S-BEAM LOAD CELL

OVERVIEW

S-Beam load cells are commonly used in suspended weighing applications such as hoppers and tanks. The CGSB load cell has a threaded hole, 20 ft load cell cable, and is constructed of alloy steel. NTEP approved models are from 250 lb to 20,000 lb capacities.

CGSB model load cells can be used interchangeably with the following load cell models: Celtron STC, Sensortronics 60001, and Rice Lake RL20001



NTEP CERTIFIED

Certificate of Conformance #08-109, 08-110

CAPACITIES

100, 200, 250, 300, 500, 750, 1K, 1.5K, 2K, 2.5K, 3K, 5K, 10K, *15K, *20K. (LB)

(*Non-NTEP Capacities)

OVERVIEW

S-Beam load cells are commonly used in suspended weighing applications such as hoppers and tanks. The CGSB load cell has a threaded hole, 20 ft load cell cable, and is constructed of alloy steel. NTEP approved models are from 250 lb to 20,000 lb capacities.

CGSB model load cells can be used interchangeably with the following load cell models: Celtron STC, Sensortronics 60001, and Rice Lake RL20001

PERFORMANCE SPECIFICATIONS

Rated Output: 3.00 mV/V \pm 0.25%
Safe Overload: 150% FS

Excitation Voltage: 10V AC/DC (15V Max)

Input Resistance: 385 \pm 10 ohms
Output Resistance: 350 \pm 3 ohms

Zero Balance: \pm 1.00% FS
Non-linearity: \pm 0.03% FS
Hysteresis: \pm 0.02% FS
Repeatability: \pm 0.01% FS
Creep: \pm 0.02% FS in 30 minutes

Materials: Stainless Steel
Seal Type: Environmentally Sealed IP67
Load Cell Resistance: 350 ohms
Load Cell Cable: 4 Conductor, 20ft

Compensated Temp. Range: -10° C to +40° C

Temp. effect on Zero: \pm 0.0027%FS/°C
Temp. effect on Output: \pm 0.0015%FS/°C

Insulation Resistance: 5000 megaohms

Load Cell Cable
4-26AWG, 3.8mm diameter, PVC, 20ft (100lb-200lb)
4-26AWG, 5.6mm diameter, PVC, 20ft (250lb-10k)

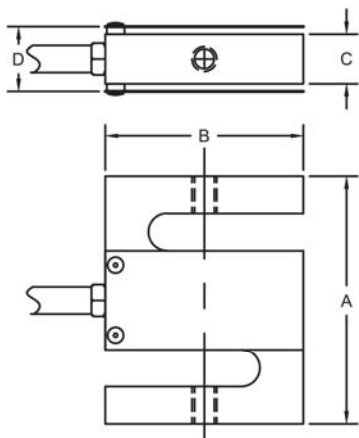
Load Cell Wiring
Green: +EXC
Black: -EXC
White: +SIG
Red: -SIG
Braided/Yellow: Shield

	A	B	C	D (Max)	E
100LB-200LB	2.50	2.00	0.50	0.75	1/4-28UNF
250LB-300LB	3.00	2.00	0.50	0.75	3/8-24UNF
500LB-1.5K	3.00	2.00	0.75	1.00	1/2-20UNF
2K-3K	3.00	2.00	1.00	-	1/2-20UNF
5K	4.25	3.00	1.00	-	3/4-16UNF
10K	4.75	3.50	1.00	-	3/4-16UNF
15K	5.50	4.00	1.25	-	1-14UNF

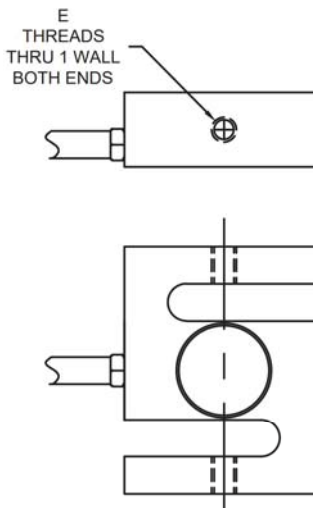
DIAMETERS IN COMMON AXIS
CONCENTRIC WITHIN 0.005 T.I.R.

Tolerances unless otherwise specified:
.XX: \pm 0.02
.XXX: \pm 0.005
Fractions: \pm 1/16"
Angles: \pm 1/8"

100LB - 1.5K MODELS



2K - 20K MODELS



LOAD CELLS – S-CELL (NTEP)



AVAILABLE OPTIONS



COTI CGSB

NTEP Certified
FM Approved
Alloy Steel Construction

- #3018 250# NTEP
- #3019 500# NTEP
- #3020 750# NTEP
- #3021 1K NTEP
- #3022 1.5K NTEP
- #3023 2K NTEP
- #3024 2.5K NTEP
- #3025 3K NTEP
- #3026 5K NTEP
- #3028 10K NTEP
- #3030 20K NTEP

COTI CGSB-SS (Stainless Steel)

NTEP Certified, FM Approved
Stainless Steel Construction

NTEP Certified Range 250# - 10K
Non-NTEP 20K

*The stainless-steel S-cells are non-stocking.
Please call for lead time and availability on all
products before quoting customer.

- #3155 250# NTEP
- #3156 500# NTEP
- #3157 750# NTEP
- #3158 1K NTEP
- #3159 1.5K NTEP
- #3160 2K NTEP
- #3161 2.5K NTEP
- #3162 3K NTEP
- #3163 5K NTEP
- #3164 10K NTEP
- #3166 20K (Non-NTEP)