

S-Beam Tension and Compression Load Cell, Models 151 & 152

Figure 1. Product Nomenclature

For example, **CA151NL,1BB,2U,6F,9A,30B** defines a Model 151 S-Beam Load Cell, 250 N range, -10 °C to 40 °C [14 °F to 104 °F] temperature compensation, unamplified, integral PVC cable, 10 point, tension and compression output.

CA151	NL	1BB	2U	6F	9A	30B
Receiver type	Range	Temperature Compensation	Internal Amplifiers	Electrical Termination	Special Calibration	Special Calibration (Load Cells Only)
S-Beam Series Load Cell	MK 50 N	1BB -10 °C to 40 °C [14 °F to 104 °F] temp. comp.	2U Unamplified	6F Integral cable, PVC 1,5 m [4.92 ft]	9A 10 point, (5 up/5 down) 20 % increments	30B Tension and compression (+, -) output
Model 151^A	ML 100 N					
CA151 (order code)	NL 250 N					
Model 152^B	MY 500 N					
CA152 (order code)	MN 1000 N					
A made from alloy steel. For use ONLY with ranges 250 N and greater.	MO 2000 N					
	MQ 5000 N					
B made from aluminum. For use ONLY with ranges 50 N and 100 N.	MR 10K N					
	MS 20K N					
	ZN 30K N					
	MT 50K N					

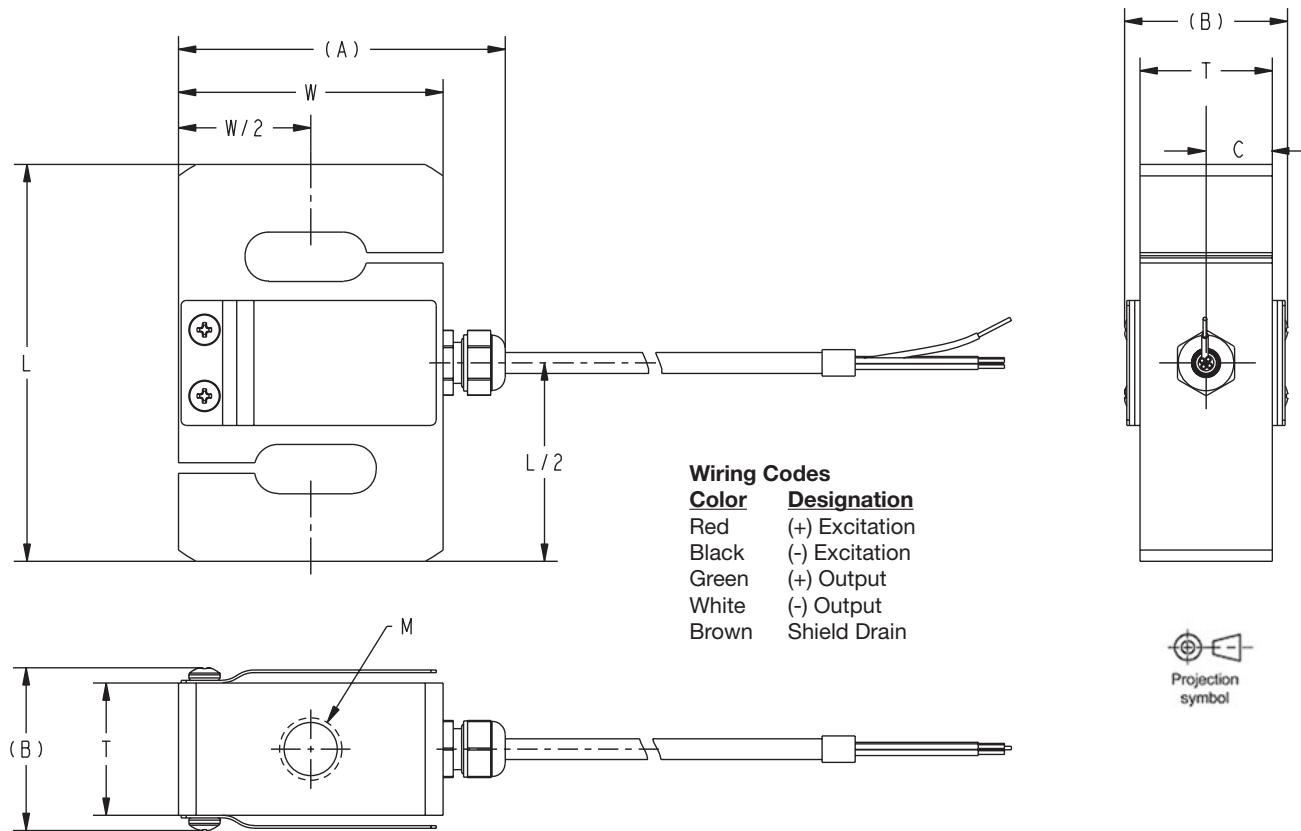
Table 6. Order Guide

Range	Description	Order Code	Honeywell Part Number
50 N	Model 152 50 N	CA152MK,1BB,2U,6F,30B	060-P662-01
100 N	Model 152 100 N	CA152ML,1BB,2U,6F,30B	060-P662-02
250 N	Model 151 250 N	CA151NL,1BB,2U,6F,30B	060-P663-01
500 N	Model 151 500 N	CA151MY,1BB,2U,6F,30B	060-P663-02
1000 N	Model 151 1,000 N	CA151MN,1BB,2U,6F,30B	060-P664-01
2000 N	Model 151 2,000 N	CA151MO,1BB,2U,6F,30B	060-P665-01
5000 N	Model 151 5,000 N	CA151MQ,1BB,2U,6F,30B	060-P665-02
10K N	Model 151 10,000 N	CA151MR,1BB,2U,6F,30B	060-P665-03
20K N	Model 151 20,000 N	CA151MS,1BB,2U,6F,30B	060-P666-01
30K N	Model 151 30,000 N	CA151ZN,1BB,2U,6F,30B	060-P666-02
50K N	Model 151 50,000 N	CA151MT,1BB,2U,6F,30B	060-P666-03

S-Beam Tension and Compression Load Cell, Models 151 & 152

DIMENSIONAL DRAWINGS

Figure 2. Model 151 & 152 Dimensions



Capacity (N)	Model	Case Material	A (Reference)	B (Reference)	C	T	L	M	W
50	152	aluminum	68 mm [2.68 in]	24,5 mm [0.96 in]	9 mm [0.35 in]	18 mm [0.71 in]	70 mm [2.76 in]	M8 x 1.25/ thru	56 mm [2.20 in]
100	152	aluminum	68 mm [2.68 in]	24,5 mm [0.96 in]	9 mm [0.35 in]	18 mm [0.71 in]	70 mm [2.76 in]	M8 x 1.25/ thru	56 mm [2.20 in]
250	151	alloy steel	62,5 mm [2.46 in]	18,5 mm [0.73 in]	6,35 mm [0.25 in]	12,7 mm [0.50 in]	63,5 [2.5 in]	M6 x 1/ thru	50,8 mm [2.0 in]
500	151	alloy steel	62,5 mm [2.46 in]	18,5 mm [0.73 in]	6,35 mm [0.25 in]	12,7 mm [0.50 in]	63,5 [2.5 in]	M6 x 1/ thru	50,8 mm [2.0 in]
1000	151	alloy steel	62,5 mm [2.46 in]	25,4 mm [1.0 in]	9,5 mm [0.37 in]	19 mm [0.75]	76,2 mm [3.0 in]	M10 x 1.5/ thru	50,8 mm [2.0 in]
2000	151	alloy steel	62,5 mm [2.46 in]	25,4 mm [1.0 in]	9,5 mm [0.37 in]	19 mm [0.75]	76,2 mm [3.0 in]	M12 x 1.75/ thru	50,8 mm [2.0 in]
5000	151	alloy steel	62,5 mm [2.46 in]	25,4 mm [1.0 in]	9,5 mm [0.37 in]	19 mm [0.75]	76,2 mm [3.0 in]	M12 x 1.75/ thru	50,8 mm [2.0 in]
10k	151	alloy steel	62,5 mm [2.46 in]	31,5 mm [1.24 in]	12,7 mm [0.50 in]	25,4 mm [1.0 in]	76,2 mm [3.0 in]	M12 x 1.75/ thru	50,8 mm [2.0 in]
20k	151	alloy steel	86 mm [3.39 in]	31,5 mm [1.24 in]	19 mm [0.74 in]	25,4 mm [1.0 in]	108 mm [4.25 in]	M18 x 1.5/ thru	76,2 mm [3.0 in]
30k	151	alloy steel	86 mm [3.39 in]	31,5 mm [1.24 in]	19 mm [0.74 in]	25,4 mm [1.0 in]	108 mm [4.25 in]	M18 x 1.5/ thru	76,2 mm [3.0 in]
50k	151	alloy steel	86 mm [3.39 in]	37,5 [1.48 in]	25,4 mm [1.0 in]	31,8 mm [1.25 in]	108 mm [4.25 in]	M18 x 1.5/ thru	76,2 mm [3.0 in]