

# Model A 120

Compression Type Load Cell



## FEATURES

- **Rated Capacities (lb):**  
20,000, 55,000, 90,000, 125,000, 225,000
- **Rated Capacities (kg):**  
10,000, 25,000, 40,000, 60,000, 100,000
- Low Profile, Multi Column
- Stainless Steel Construction
- Hermetically Sealed, IP68

## APPLICATIONS

- Suitable for Truck Scales, Railroad Scales, Crane Scales.

## TECHNICAL DATA

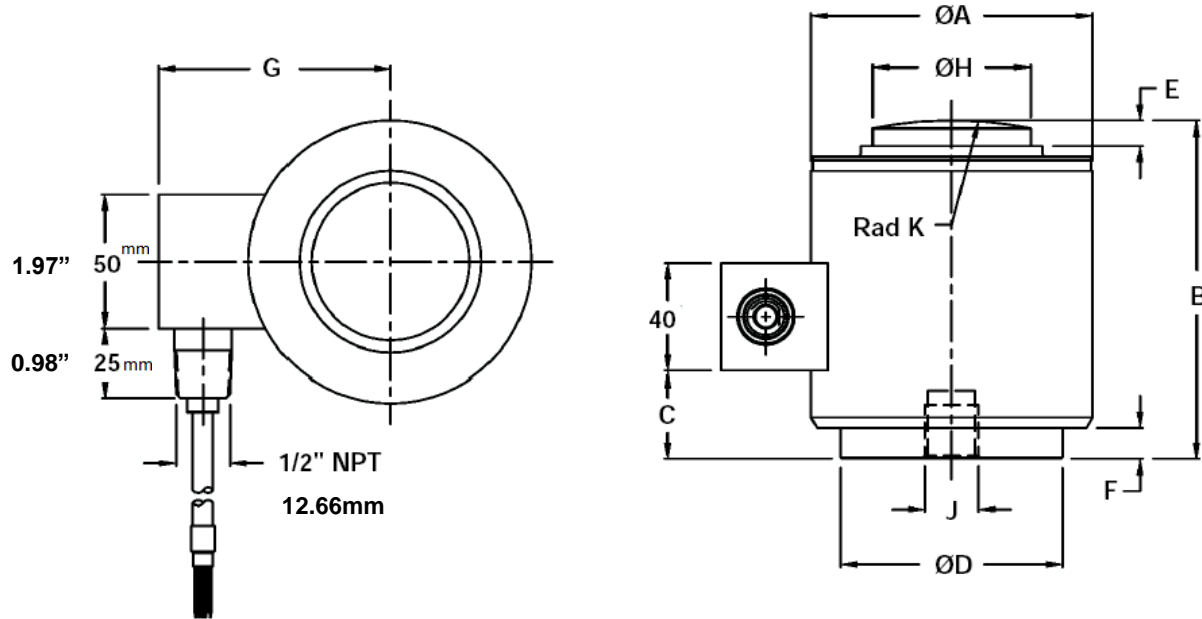
<b>Rated Capacities (lb):</b>	20,000, 55,000, 90,000, 125,000, 225,000
<b>Rated Capacities (kg):</b>	10,000, 25,000, 40,000, 60,000, 100,000
Rated Output	2.0 mV/V
Combined Error	≤ ± 0.020 % FS
Non-linearity	0.017 % FS
Hysteresis	± 0.02 % FS
Non-Repeatability	0.02 % FS
Creep (30minutes)	1.0 % FS
Zero Balance	± 1.00 % FS
Temperature effect on zero	0.017 % FS / 10 °C
Temperature effect on output	± 0.02 % FS/ 10°C
Input Resistance Ω	450 ± 5
Output Resistance Ω	480 ± 5
Insulation Resistance	≥5000MΩ
Excitation Voltage Recommended	5 – 12V (DC)
Excitation Voltage Maximum	18 V (DC)
Compensated Temperature Range	- 10 + 40 °C
Operating Temperature Range	- 35 + 60 °C
Safe Overload	150 % FS
Ultimate Overload	300 % FS
Seal Type	Hermetically Sealed, IP 68
Element Material	Stainless Steel 1.4542

The technical data given here serve only as a product description and must not be interpreted as guaranteed characteristics in the legal sense.

# Model A 120



## OUTLINE DIMENSIONS:



## DIMENSIONS:

Capacity	A	B	C	D	E	F	G	H	I	Rad K
<b>lb/inches</b>										
20,000, 55,000	2.88	3.25	0.47	2.29	0.25	0.07	2.52	1.25	M0.47X0.07 (0.43 Deep)	6.00
90,000, 1125,000	4.14	5.01	1.34	3.25	0.31	0.43	3.43	2.31	M0.78X0.09 (0.78 Deep)	6.00
225,000	6.01	7.26	2.85	4.88	0.93	0.86	4.27	3.12		17.0
<b>kg/mm</b>										
10,000, 25,000	73.0	82.5	12.0	58.0	6.5	1.8	64.0	31.8	M12X1.75 (11 Deep)	152.0
40,000, 60,000	105.0	127.0	34.0	82.5	8.0	11.0	87.0	58.7	M20X2.5	152.0
100,000	152.4	184.0	72.3	123.8	23.6	21.8	108.2	79.2	(20 Deep)	432.0

## WIRING

Function	Colors
+ Excitation	Green
- Excitation	Black
+ Signal	White
- Signal	Red
Shield	Braid/Yellow

Correct Mounting of Load Cells Is Essential To Ensure Optimum Performance.

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Max Technologies reserves the right to make changes to the technology, features, specification and design of the equipment without notice.