



BCS "S" Type Load Cell Crane Scales



Capacities from 50lb to 20000lb
Call for Pricing

B.C. Scale Company Limited

5920 - 200 A Street Langley, B.C. Canada, V3A 5X8

Phone(604)534-8633 Fax(604)534-7633

web <http://www.bcscales.com>

Measurement Canada Weights and Measures Accredited



Model 204/204S Specifications

Display:	1" (25mm)high, 6-digit, 7-segment LCD
Resolution:	5,000 divisions minimum
Dimensions:	8"W x 6 5/8"H x 2 1/8"D (204 x 168 x 54mm)
Units conversion:	Pounds, kilograms, grams, and ounces
Zero tracking:	1 to 9d selectable
Zero limit:	4% maximum range
Conversion rate:	10 per second, max
Load cells:	4 each, 350 ohm max
Sensitivity range:	1.2 μ V per division
Temperature range:	-10 °C to +40 °C
Power:	115 VAC 60 Hz adapter or, 230 VAC 50/60 Hz, or 6 "C" cell Alkaline or Ni-Cad
Enclosure:	Stainless steel
Selectable Increments:	Decimal point, filtering, weight, sample rate, baud rate

BCS 101NH "S" Type Load Cells Features

Equivalent to NTEP regulations up to 1:5000 for class III Single Cell

- Suitable for use under conditions of tension and compression
- Compatible with other sources
- Explosion proof version (Ex ib II CT4)
- Protection to IP67
- Available Options:
 - Service temperature range up to 120°C [248°F]
 - 6-wire circuit
 - Stainless steel

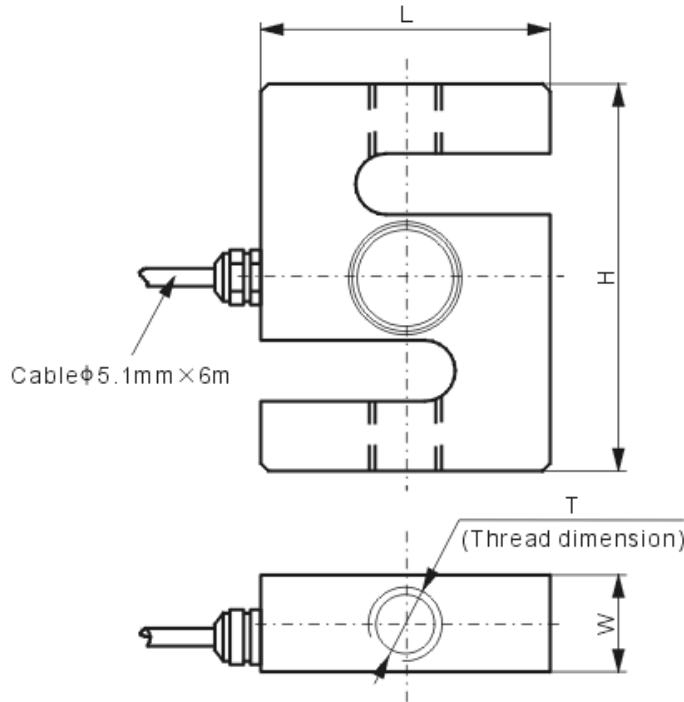
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DIMENSIONS

RATED CAPACITY	H	L	W	T
lb / inches				
50...250	2.50	2.00	0.50	1/4-28 UNF-2B
500	3.00	2.00	0.75	1/2-20 UNF-2B
1,000...3,000	3.00	2.00	1.11	1/2-20 UNF-2B
5,000; 10,000	4.00	3.00	1.00	3/4-16 UNF-2B
15,000	5.50	4.00	1.25	1-14 UNS-2B
20,000	7.00	4.92	2.00	1 1/4-12 UNF-2B
kg/mm				
22.68...113.4	63.5	50.8	12.7	1/4-28 UNF-2B
226.8	76.2	50.8	19.1	1/2-20 UNF-2B
453.6...1,360.8	76.2	50.8	28.2	1/2-20 UNF-2B
2,268; 4,535.9	101.6	76.2	25.4	3/4-16 UNF-2B
6,803.9	139.7	101.6	31.8	1-14 UNS-2B
9,071.8	177.8	125.0	50.8	1 1/4-12 UNF-2B

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Technical Data

Type		101NH					
Accuracy class according to NTEP Maximum numbers of load cell verification intervals (n _{Lc})		NTEP 1:5 000 class III Single Cell 5000					
Maximum capacity (E _{max})	lb	100	250;500	1,000; 2,000; 3,000	5,000; 10,000	15,000	20,000
Weight (G), approx.	kg	0.6	0.7	0.8	1.2	3	6.8
Minimum load cell verification interval (V _{min})	% of Cn	0.02					
Sensitivity (Cn)	mV/V	3±1%					
Zero balance	mV/V	±0.06					
Temperature effect on sensitivity (TKc) *	% of Cn/k	< ±0.0012					
Temperature effect on zero balance (TKo)	% of Cn/k	<±0.0040					
Non-linearity (d _{lin}) *	%	<±0.017					
Repeatability (d _{rep}) *	%	<±0.017					
Hysteresis error (d _{hy}) *	%	< ±0.017					
Creep (d _{DR})in 30 min.	%	< ±0.023					
Input resistance (RLC)[Red(+)-black(-)]	Ω	350 ±7					
Output resistance (Ro) [Green(+)-white(-)]	Ω	352±3					
Reference excitation voltage (U _{ref})	V(DC/AC)	0.5...10					
Maximum excitation voltage	V(DC/AC)	15					
Insulation resistance (Ris)	GΩ	>2 [50 VDC]					
Nominal temperature range	°C [°F]	-10...+40 [15...+105]					
Service temperature range	°C [°F]	-25...+70 [-15...+160]					
Storage temperature range	°C [°F]	-50...+85 [-60...+185]					
Safe load limit (EL)	% of Cn	150					
Breaking load (Ed)	% of Cn	300					
Protection class (IP) acc. to IEC529		IP67					
Material		Alloy Steel/Stainless steel available					
Optionally		Explosion proof version (Ex ib II CT4)					
Weigh Module Available		<u>101NHM1</u>					
Interchangeable Products		Rice Lake	RL20000/RL20001				
		Revere	363				
		Sensortronics	60001				

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