



BCS110AH Tension Link Crane Scales



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

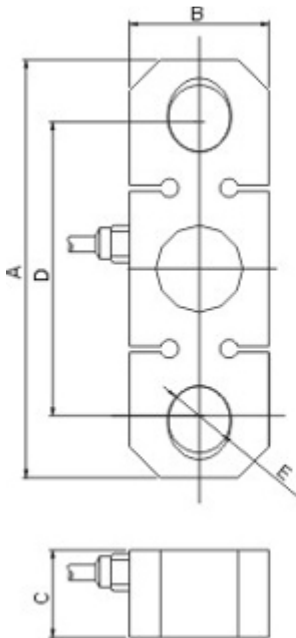


Special features :

- Patent design
- High accuracy up to 3 000d for scales class III
- Small size, low profile
- Special design for crane scales
- Less error of orientation
- Explosion proof version (Ex ib II CT4)
- Protection to IP67



Dimensions (in mm; 1 mm = 0.03937 inches)



Capacity	A	B	C	D	E
5,000kg	135	45	28.2	95.00	20.00
10,000kg	184	60	38.0	124.0	33.35
20,000kg	244	85	55.0	164.6	44.00
50,000kg	436	140	88.0	294.0	70.00

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Technical Specifications

Type		BCS110AH
Accuracy class according to OIML R60		-
Maximal numbers of load cell verification intervals (n_{Lc})		3000
Maximal capacity (E_{max})	kg	5,000; 10,000; 20,000; 50,000
Minimum load cell verification interval (V_{min})	% of C_n	0.03
Sensitivity (C_n)	mV/V	2±10%
Zero balance	mV/V	±0.05
Temperature effect on sensitivity (TKc) *	% of C_n/k	< ±0.0012
Temperature effect on zero balance (TKo)	% of C_n/k	< ±0.0040
Non-linearity (dlin) *	%	< ±0.017
Repeatability (drep) *	%	< ±0.017
Hysteresis error (dhy) *	%	< ±0.017
Creep (dDR) in 30 min.	%	< ±0.023
Input resistance (RLC) [Red(+)-black(-)]	Ω	400 ±25
Output resistance (RO) [Green(+)-white(-)]	Ω	350±3
Reference excitation voltage (U_{ref})	V(DC/AC)	0.5...12
Maximal excitation voltage	V(DC/AC)	18
Insulation resistance (R_{is})	GΩ	>2 [50 VDC]
Nominal temperature range	°C [°F]	-10...+40 [15...+105]
Service temperature range	°C [°F]	-10...+50 [15...+125]
Storage temperature range	°C [°F]	-25...+70 [-15...+160]
Safe load limit (EL)	% of C_n	200
Breaking load (Ed)	% of C_n	400
Protection class (IP) acc. to IEC529		IP67
Material		Steel alloy
Optionally		Explosion proof version(Ex ib II CT4)

* The data for deviation of linearity, repeatability, hysteresis error and temperature effect on sensitivity are typical values. The sum of these data meets the requirements according to OIML R60.

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