

Type BR110 is a high performance fully-welded construction compression type loadcell. It has a perfect fit for use in especially high capacities weighing systems such as wheel scale, floor scale, tank scales ship weighing and other applications.

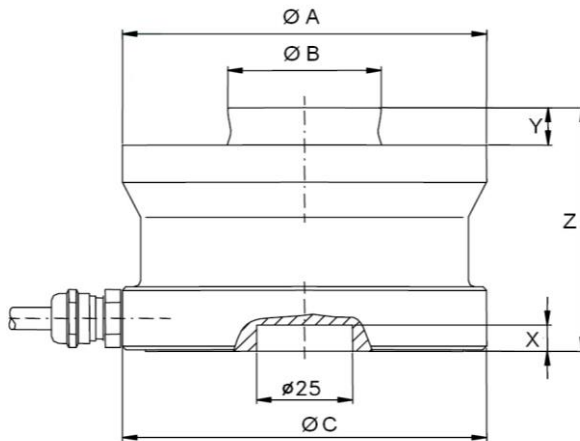
Type BR110HT type designed for high temperatures up to 200°C degress.

Key features;

- Capacities; 1 ~ 330 tons
- Alloy Stell construction
- High accuracy
- Protection IP68
- HT type for 150°C



Dimensions (mm);



cap. (ton)	A	B	C	X	Y	Z
1	49	20	60	-	7.5	43
2.2	49	20	60	-	7.5	43
4.7	49	20	60	-	7.5	43
10	75	30	75	7	6.5	50
15	75	30	75	7	6.5	50
22	75	30	75	7	6.5	50
33	95	40	95	7	10	65
47	130	60	130	7	14	75
68	130	60	130	7	14	85
100	150	70	150	7	16	90
150	150	70	150	7	16	100
220	225	100	225	10	24	130
330	225	100	225	10	24	145

Cable color codes

+ Excitation	Blue
- Excitation	Black
+ Signal	White
- Signal	Red
Shield	Yellow

*Contact factory for assembly module

Technical specifications;

Type		BR110	BR110 HT
Maximum capacity	E_{max}	1 / 2.2 / 4.7 / 10 / 15 / 22 / 33 / 47 / 68 / 100 / 150 / 220 / 330	
Output sensitivity	RO	mV/V	2.85 ± 0.005
Temperature effect on zero	%FS / 10°C		≤ 0.03
Temperature effect on sensitivity	%FS / 10°C		≤ 0.02
Combined Error	% E_{max}	< 0.03	< 0.1
Safe load limit / Over load limit	% E_{max}		150 / 200
Zero balance	% RO		< ± 1.0
Excitation ,recommended	V DC		5 - 12
Excitation , maximum	V DC		15
Input resistance	Ω		1450 ± 10
Output resistance	Ω		1402 ± 3
Insulation impedance	MΩ		≥ 5000 (50 VDC)
Temperature range , compansated	°C	- 10 ... + 40	- 35 ... + 200
Temperature range , operating	°C	- 35 ... + 65	- 10 ... + 150
Material		Alloy Stell	
Protection class		IP68	
Cable		Length 16 m /dia. 6 mm	Special

(Properties are subject to change without notification. 12 / 2015)