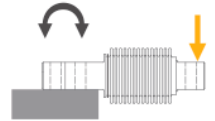


BS555 / BS555S

Bending Beam Load Cell



Applications



Floor Scales



Water Proof
Scales



Explosive
Atmospheres



Pallet Scales



Checkweighers



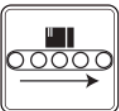
Mobile
Applications



Tank, Bunker,
Silo Weighing



Suspended
Vessel



Conveyor
Scales



Packing & Filling
Applications

Key Features

- 5~500 kg Capacities
- BS555 Nickel plated alloy steel
stainless steel bellow
BS555S All stainless-steel construction
- OIML R60 C3 approved
- ATEX approved (optional)
Zone 0, 1, 2, 20, 21, 22
- Protection class: IP68

Model BS555 and BS555S are high-precision load cells with capacities ranging from 5 kg to 500 kg with OIML R60 C3 approval. Model BS555 is made of nickel alloy steel with stainless steel bellows, and BS555S is in complete stainless steel construction.

With its OIML R60 C3 approval and IP68 protected construction, it is perfect choice for applications such as low profile platforms, weighing and bagging machines, conveyor, hopper and low capacity vessel weighing systems.

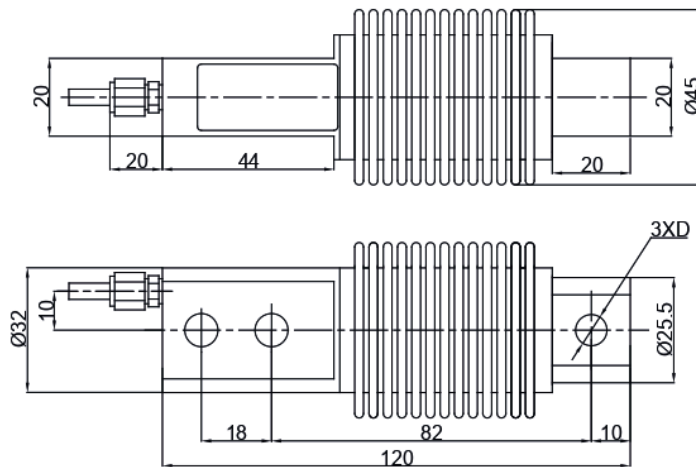
ATEX approved BS555 / BS555S load cells are suitable for use in explosive environments.

BAYKON
Industrial Weighing Systems

Technical Specifications

Model		BS555		BS555S
Capacity (E _{max})	kg	50 / 100 / 200	5 / 10 / 20 / 500	5 / 10 / 20 / 50 / 100 / 200 / 500
Accuracy class according to OIML R60		C3	G3	G3
Rated output (R0)	mV / V	2.0 ± 0.002		
Max. number of load cell verification intervals (n _{LC})		3000	-	
Min. load cell verification interval (v _{min})		E _{max} / 10000	-	
Temperature effect on zero	%R0 / 10°C	≤ 0.012	≤ 0.018	
Temperature effect on sensitivity	%R0 / 10°C	≤ 0.015	≤ 0.017	
Combined error	%R0	≤ 0.02	≤ 0.02	
Safe load limit	%E _{max}	150		
Ultimate load	%E _{max}	200		
Zero balance	%R0	≤ 1		
Creep error (30 minutes)	%R0	≤ 0.017		
Excitation voltage, recommended	V (DC)	5 - 12		
Excitation voltage, maximum	V (DC)	15		
Input resistance	Ω	400 ± 10		
Output resistance	Ω	352 ± 3		
Insulation resistance (at 50 V DC)	MΩ	≥ 5000 (50 V DC'de)		
Compensated temperature range	°C	- 10...+ 40		
Operating temperature range	°C	- 30...+ 70		
ATEX Approval (Optional)		ATEX  II 1G Ex ia IIC T6 Ga II 1D Ex ia IIC T82°C Da		
Material		Nickel plated alloy steel stainless steel bellow		All stainless-steel construction
Protection class		IP68		
Cable		Length : 5 m / diameter: 5 mm		

Dimensions (mm)

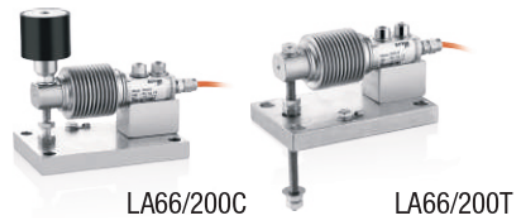


Capacity	D
≤ 250	ø 8.2
> 250	ø 10.2

Color Codes

Function	Colors
+ input	blue
+ output	white
- input	black
- output	red
shield	yellow

W Modules



LA66/200C

LA66/200T