

# YB Fish dorsal part load cell

## Description

**Capacities: ( $E_{max}$ )**  
1,2,3,5,7.5,10,20,30,40,50,60t

**Rated output:**  
2.0mV/V  
Digital: 1,000,000d

**Accuracy:**  
C3 OIML R60

**Material of elastomer:**  
Alloy steel or stainless steel

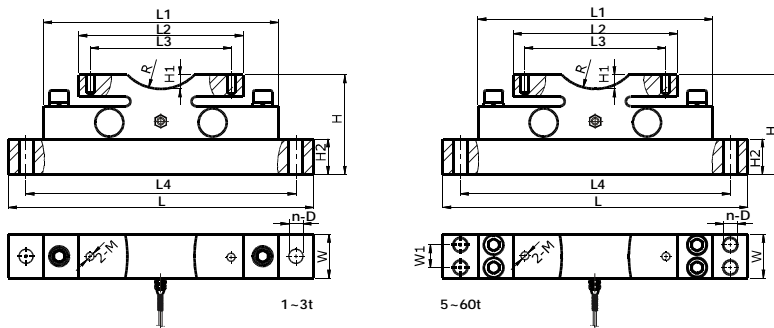
**Execution standard:**  
GB/T 7551-1997 Certificate  
(eqv OIML R60)  
Combined error: 0.015%

**Sealed to IEC 529:**  
Protection grade: IP67 or IP68.  
Protection against total immersion  
in water for 30 minutes at a pressure  
corresponding to a 1 m head of water.



## Dimensions

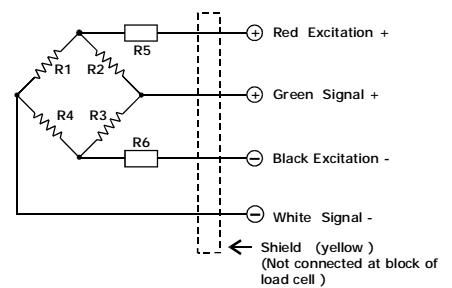
(In mm. 1mm = 0.03937 inches)



CAP./SIZE	L	L1	L2	L3	L4	H	H1	H2	W	W1	M	n-D	R
1,2,3t	320	230	145	120	275	85	18	25	40	-	M12	2-φ18	60
5,7,10t	310	240	145	120	275	100	18	30	50	25	M12	4-φ13	60
15,20,30t	390	300	210	180	345	127	20	45	56	29	M16	4-φ18	80
40,50,60t	500	395	235	200	445	173	21	67	86	45	M20	4-φ22	90

## Circuit Diagram

**Electrical Termination**  
4 Core cable standard lengths:  
1~3t: 3m, 5~10t: 6m, >=20t: 10m  
Diameter: φ6  
Connection:  
Refer to the following drawing:



**Notice:**  
Do not change the length of cable, or lese,  
it will effect the sensitivity of load cell.

## Specification

Item\ Parameter	C3	Unit
Rated load ( $E_{max}$ ):	1~60	t
Maximal numbers of load cell verification Intervals (Nic):	3000	d
Minimum load cell verification intervals Intervals (Vmin):	0.01	% of rated load
Rated output (Cn):	2.0±0.1%	mV/V
*Combined error:	0.015	±% of rated output
Temperature effect on sensitivity (TKc):	0.0012	±% of rated output/°C
Temperature effect on zero balance (TK0):	0.0008	±% of rated output/°C
Zero balance:	1.0	±% of rated output
Input resistance (Rlc):	775±5	Ω (Ohms)
Output resistance (Ro):	702±2	Ω (Ohms)
Insulation resistance:	≥5000	MΩ (Mega-Ohms)
Safe overload:	150	% of rated capability
Ultimate overload:	300	% of rated capability
Operating temperature range:	-20~+70/-20~+160	°C / °F
Recommend excitation:	8~15	V (DC or AC)
Maximum excitation:	24	V (DC or AC)
Material of elastomer:	Alloy steel / Stainless steel	
Protection class:	IP67/IP68	

The data for deviation of synthesis error,TK0,TKc are typicl values. The sum of these data meets the requirements according to OIML R60

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