

**Main Features:**

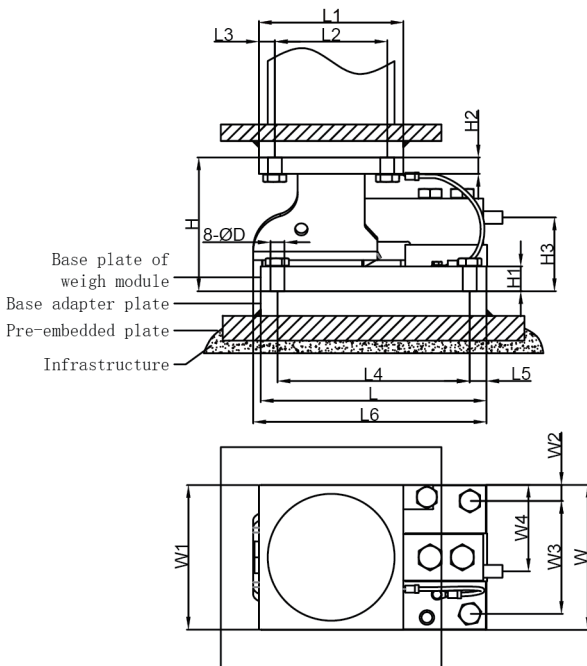
- Smart mechanical safe design against capsizing, anti-uplift protection, down-stop protection
- 360°checking, horizontal safe locking design for protection
- Suitable for static and dynamic-loading of conveyor, mixer and blander.
- Capacities (per module):10kg-5t
- Alloy steel MB-3A and stainless steel MB-3S optional.
- Assembled with bending B570S, single-ended shear beam of B530S, B550S
- Upper and base adapter plates optional



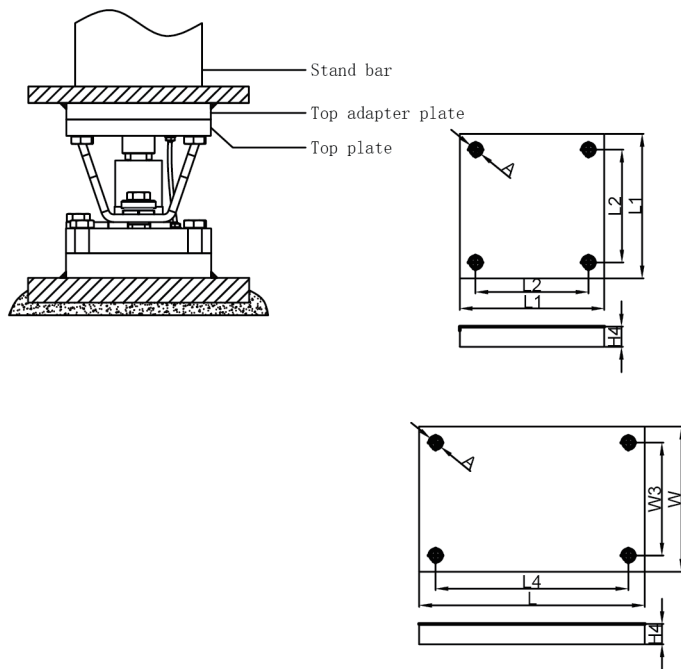
**Product description:**

The MB-3A 3S weigh module is designed for static and dynamic-loading weighing system, such as mixed hopper, silo, vessel and tank weighing systems. Capacity is from 10kg to 5t widely. The MB-3A 3S Series kit is ideally suited for installation in limit space.

**Dimensions (mm&inch):**



Outline of weigh module



Outline of base adapter plate

## MB-3A/3S Weighing Module Specifications

Parameter	Units	Specifications	
Weighing Module Model No.		MB-3A	MB-3S
Weighing Module Material		Alloy steel with nickel plated	Stainless steel
Load Cell Model No. [Option]		B530S	B550S
Rated capacity (E <sub>max</sub> )	t	0.25 / 0.5 / 1 / 2 / 5	0.22 / 0.55 / 1.1 / 2.2 / 4.4
Rated output	mV/V	2.0 ± 0.002	1.94 ± 0.002
Zero balance	% of E <sub>max</sub>	± 1	
Accuracy class <sup>1)2)</sup>		C3	C5
Repeatability error	% of AL <sup>3)</sup>	< ± 0.010	< ± 0.006
Creep; 30 minute	% of AL	< ± 0.017	< ± 0.010
Min. dead load output return (DR); 30 min	% of AL	< ± 0.017	< ± 0.010
Temp. effect on	Min. dead load output	% of E <sub>max</sub> /°C	< ± 0.0020
	Rated output <sup>2)</sup>	% of AL/°C	< ± 0.0012
Temperature range	Compensated	°C(°F)	-10 to +40 [+14 to +104]
	Operating		-40 to +65 [-40 to +149]
	Safe storage		-40 to +80 [-40 to +176]
Excitation voltage	Recommended	V AC/DC	5 ~ 15
	Maximum		15
Terminal resistance	Excitation	Ω	384 ± 5
	Output		350 ± 3
Insulation resistance @50VDC	MΩ	> 5000	
Breakdown voltage	V AC	> 500	
Seal type / IP rating		Hermetically welded / IP68 IP69k	
Load limit	Safe	% of E <sub>max</sub>	150
	Ultimate		300
Cable length	m	5.0	
China/CPA	Certificate Number	2023FD064-32	
	Class	C5	
European/OIML Approval	Certificate Number	TC12662	
	Class	OIML R60 C4	
NTEP Approval	Certificate Number	23-085	
	Class	III M 6000	

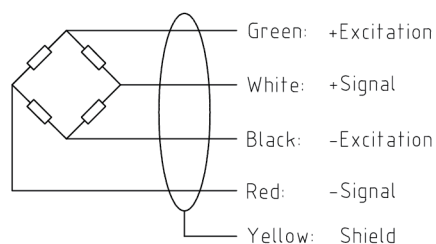
### Notes:

<sup>1)</sup> Error due to the combined effect of non-linearity and hysteresis

<sup>2)</sup> The sum of errors due to Temperature Effect on Output comply with the requirements of OIML R60 and NIST HB44

<sup>3)</sup> AL = Applied Load

Cable Colour Code: (4-wire circuit)



Shield connected to load cell body