

## The Masters of Industrial Weighing

# CP LOAD CELL



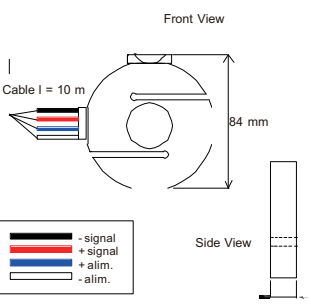
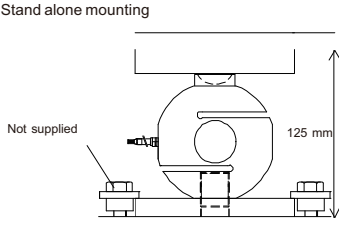
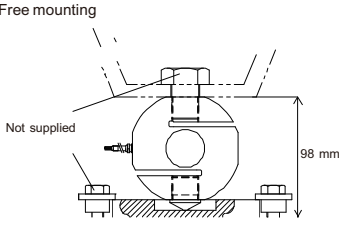
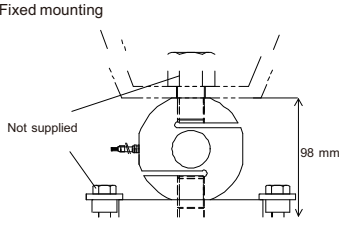
"S" beam load cell, made of stainless steel for compression applications.

3 mountings are available:

- Stand alone mounting
- Free mounting
- Fixed mounting

Reliable and inexpensive solution for hopper, tank and silo weighing.

EEC approval up to 2500d in class III. Full compatibility with Pesage Promotion CAP load cell range

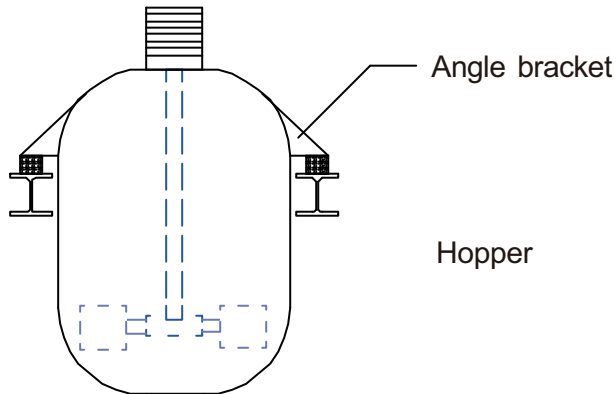
<p>Load cell alone</p>  <p>Cable l = 10 m</p> <p>Front View</p> <p>84 mm</p> <p>Side View</p> <p>27 à 45 mm</p> <p>Legend:  <span style="color: black;">—</span> - signal  <span style="color: red;">—</span> + signal  <span style="color: blue;">—</span> + alim.  <span style="color: white;">—</span> - alim.</p>	<p>Stand alone mounting</p>  <p>Not supplied</p> <p>125 mm</p> <p><b>Stand Alone Kit</b>  <i>Ref / Order</i>          - 1 loading plate          - 1 bowl-shaped support          - Base plate          - 1 fixing bolt</p> <p>This mounting has a good accuracy but may need some fixings or anti-over-throw devices. Full compatibility with CAP.</p>	<p>Free mounting</p>  <p>Not supplied</p> <p>98 mm</p> <p><b>Free Mounting</b>  <i>KitRef / Order</i>          - 1 cone-shaped support          - 1 base plate          - 4 centering units          - 4 centering units</p> <p>This mounting can be use for 3 or 4 load cells or to ease the third or fourth load cell in the case of fixed mounting.</p>	<p>Fixed mounting</p>  <p>Not supplied</p> <p>98 mm</p> <p><b>Fixed Mounting KitRef / Order</b>          - 1 base plate          - fixing bolt</p> <p>This mounting reduces accuracy but is an inexpensive device for anti-lift-up and anti-over-throw.</p>
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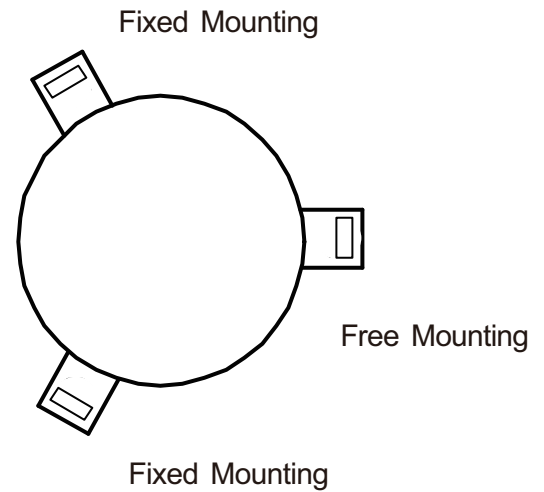
ELECTRICAL SPECIFICATIONS					
Type	CP 1000	CP 2500	CP 5000	CP 10000	CP 15000
Order reference	013 030 020	013 030 030	013 030 050	013 030 070	013 030 080
Nominal input voltage	10 V	10 V	10 V	10 V	10 V
Maximum input voltage	15 V	15 V	15 V	15 V	12 V
Input resistance	400 Ω ± 40 Ω				
Output resistance	352 Ω ± 50 Ω				
Insulation resistance	>2000 M Ω				
Length of wire	10 m	10 m	10 m	10 m	10 m
METROLOGICAL SPECIFICATIONS					
Nominal load (E max)	1000 kg	2500 kg	5000 kg	10000 kg	15000 kg
Accuracy class	1000 d. OIML ou 2000 d. OIM Lou 2500 d. OIML				
Nominal sensitivity	2,5 ± 1 % (mV/V)	2,2 ± 1 % (mV/V)	2,0 ± 1 % (mV/V)	2,0 ± 1 % (mV/V)	2,0 ± 1 % (mV/V)
Combined error	0,02 % S	0,02 % S	0,02 % S	0,02 % S	0,02 % S
Non repeatability	0,02 % S	0,02 % S	0,02 % S	0,02 % S	0,02 % S
Temp. coef. Of zero	± 0,002 % S/°C	± 0,002 % S/°C	± 0,002 % S/°C	± 0,002 % S/°C	± 0,002 % S/°C
Temp. coef. Of sensitivity	± 0,002 % S/°C	± 0,002 % S/°C	± 0,002 % S/°C	± 0,002 % S/°C	± 0,002 % S/°C
Creep error	0,02 % S	0,02 % S	0,02 % S	0,02 % S	0,02 % S
E max (Kg)	1000	10000	10000	10000	10000
N max (d)	1000 ou 2000 ou 3000				
Y= E max / v min	10000	10000	10000	10000	10000
Z	5000	5000	5000	5000	5000
GENERAL SPECIFICATIONS /					
Safe overload	150 % C.N.	150 % C.N.	150 % C.N.	150 % C.N.	150 % C.N.
Maximum overload	200 % C.N.	200 % C.N.	200 % C.N.	200 % C.N.	200 % C.N.
Nominal temperature range	-10... + 40 °C	-10... + 40 °C	-10... + 40 °C	-10... + 40 °C	-10... + 40 °C
Operational temperature range	-30... + 80 °C	-30... + 80 °C	-30... + 80 °C	-30... + 80 °C	-30... + 80 °C
Level of protection	IP 6 8 N F C 2 0-010	IP 6 8 N F C 2 0-010	IP 6 8 N F C 2 0-010	IP 6 8 N F C 2 0-010	IP 6 8 N F C 2 0-010
Material (Aluminum / stainless steel)	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel

## Mounting Examples

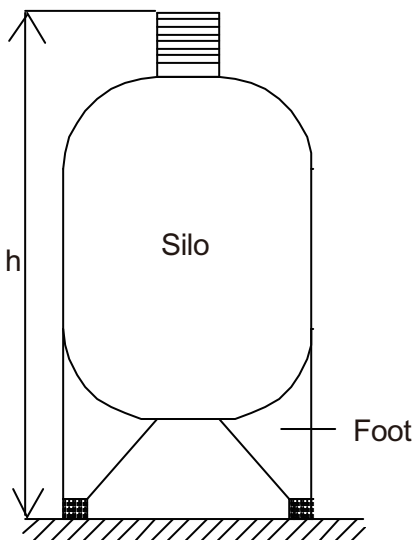
### Mounting on 3 angle brackets



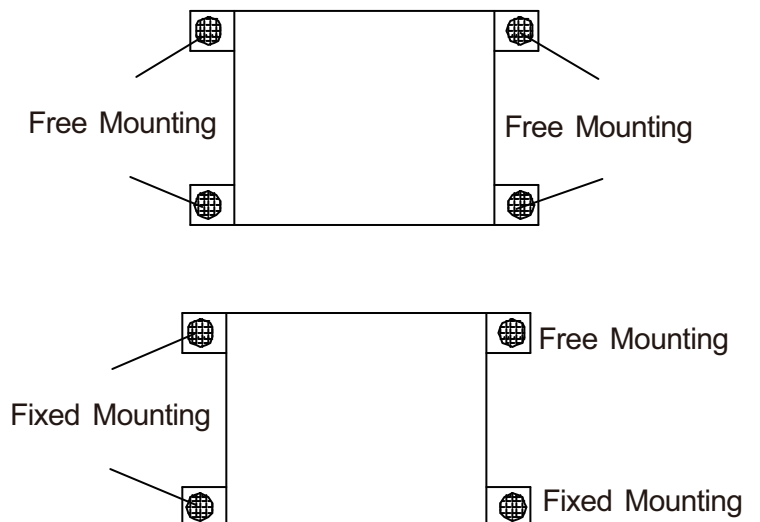
> Use two fixed mounting and one free mounting



### Mounting on 4 feet



If silo is inside and  $h < 3$  m : > Use free mounting on all four feet



If silo is inside and  $h > 3$  m :

> Use the fixed mounting under 3 feet and the free mounting under one foot