

2162L

SINGLE POINT LOAD CELL " OFF CENTER "

Economical single point load cell specially designed for the weighing of platforms and bunkers.

- Designed for off-center load
- Maximum platform size : 400 x 400 mm
- Material : Anodized aluminium alloy
- Protection: IP 63
- Very competitive price
- Easy to install
- Available options (non exhaustive list):
 - o Protection cover (option F)
 - o ATEX Ex ia IIC T6 to T4 certified (hazardous area)



Model 2162 - 50 kg

The SENSY's load cell 2162L is perfectly designed to the following applications :

- Single point load cells for industrial scales and weighing system
- Weighing of small bunker
- Filling, packaging and batching applications

CAPACITIES :

2162L : 10 - 15 - 20 - (30) - 50 - 75 - (100) - (150) kg

TECHNICAL DATA		
Accuracy class		0.1 1000 d
Linearity error	% F.S.	< ± 0.1
Hysteresis error	% F.S.	< ± 0.1
Non - repeatability	% F.S.	< ± 0.03
Creep error over 30 min.	% F.S.	< ± 0.06
Zero shift after loading	% F.S.	< ± 0.015
Reference temperature	°C	23
Nominal temperature range	°C	- 10...+ 45
Service temperature range	°C	- 30...+ 70
Storage temperature range	°C	- 50...+ 85
Temperature coefficient of the sensitivity	%/10°C	< ± 0.05
Temperature coefficient of zero signal	% F.S./10°C	< ± 0.035
Nominal sensitivity	mV/V	2
Zero balance	mV/V	± 0.02
Sensitivity tolerance (g=9,8107 m/s²)	%	< ± 0.3
Input / Output resistance	Ohm	351 ± 2
Insulation resistance (50V)	MOhm	> 5000
Nominal excitation voltage	V	5 to 10
Nominal range of the excitation voltage	V	2...15
Safe load limit	% F.S.	150
Breaking load	% F.S.	> 300
Static lateral force limit	% F.S.	100
Permissible dynamic loading	% F.S.	50

F.S.: full scale Specifications subject to change without notice

LOAD CELL

model 2162L aluminium alloy



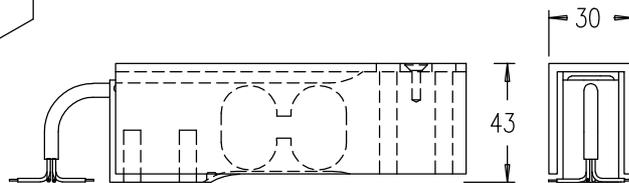
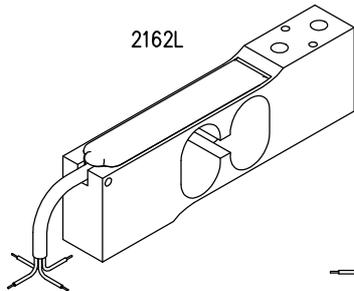
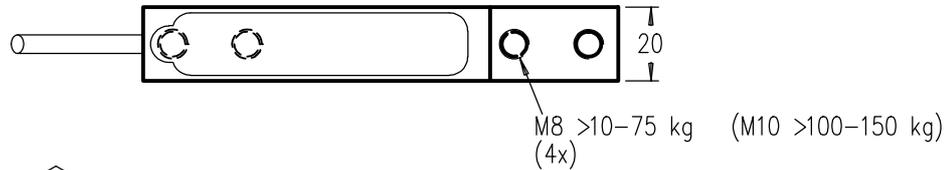
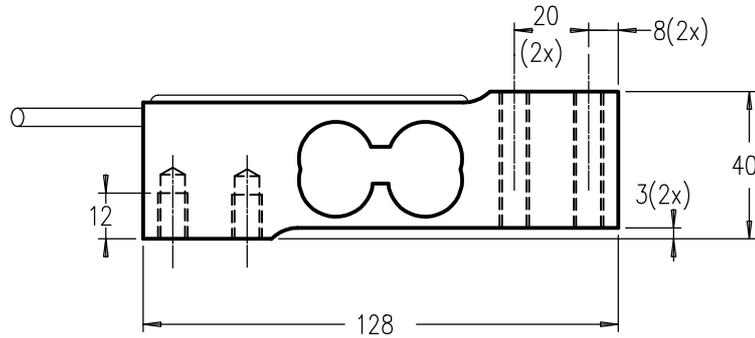
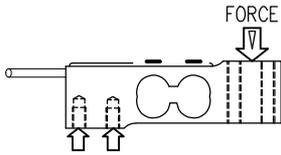
ATEX CERTIFIED

OFF-CENTER

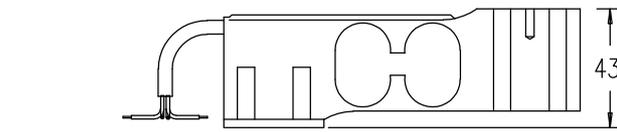
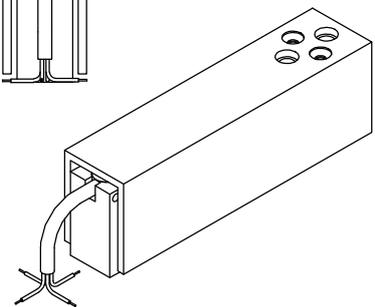
Range 10–75 kg (100–150 kg) IP63

Cable length : 2 m

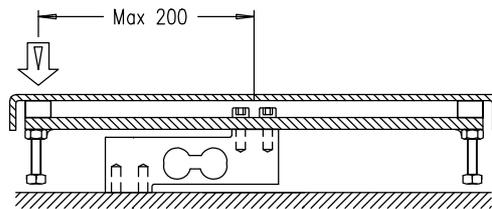
Weight : 0.35 kg



2162L-F
COVER OPTION



2162L-p Polyethylene plate



Note: Correct torque for fixing bolts : 10 Nm if M8 50 Nm if M10
(don't touch bottom of tapped holes)