

Introduction

- This electronic load cell has been designed for measuring the effort applied in lifting systems which have a dead end wire rope.

Application

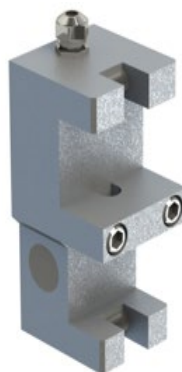
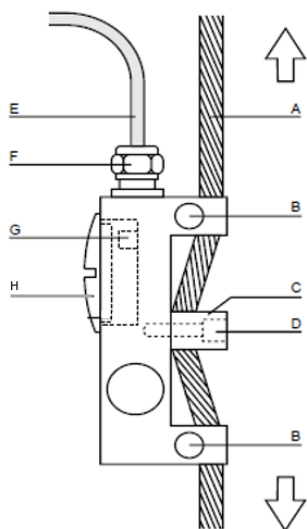
The analogue signal may be used by the user depending on his requirements e.g.:

- For monitoring one or more trip points or thresholds (slack wire rope, intermediate trip points, warning trip points, overload limiting, etc. . .).
- This load cell is not recommended for high accuracy load display.
- This load cell is recommended for its simplicity and quick fitting capability.

Operating principle

- The load cell operates by the movement of metal within its elastic limits.
- The strain gauges integrated in the load cell measure the force applied through the wire rope, giving an electrical signal relative to the load applied.
- The resulting signal may then be passed via a monitor mounted in the control box or via a display mounted on the crane itself.

Description of the load cell in his environment



A	Wire rope
B	Support
C	Fixing bracket
D	Fixing screws
E	Electric cable
F	Cable gland
G	Connection terminal
H	Inspection cover

Specification

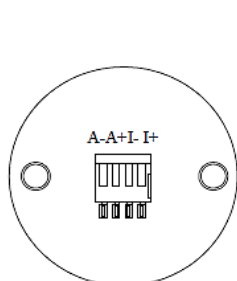
Capacity	See table page 2
Overload coefficient	1,5
Safety coefficient	5
Global error	1 % of FS
Sensitivity	1,5 mV

Material	Aluminium 7075
Temperature of use	From -20 up to +80° C
Temperature compensation	From -20 up to +60° C
Protection rate	IP 65
Certifications	2006/42/EC. 2004/108/EC

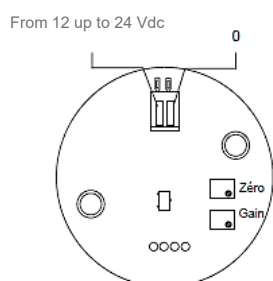
Output signal, associated equipment and wiring

- The output signal is defined according to the associated equipment's.

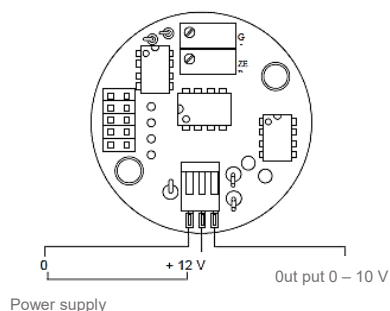
Type	Signal	Associated equipment
1	mV/V	Dynafor™ Transmitter Module for AL63, and DMU
2	4 – 20 mA	Industrial standard
3	0 – 10 V	Industrial standard
4	Hz	HF 80 Monitor



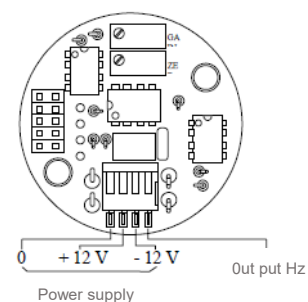
Type 1



Type 2

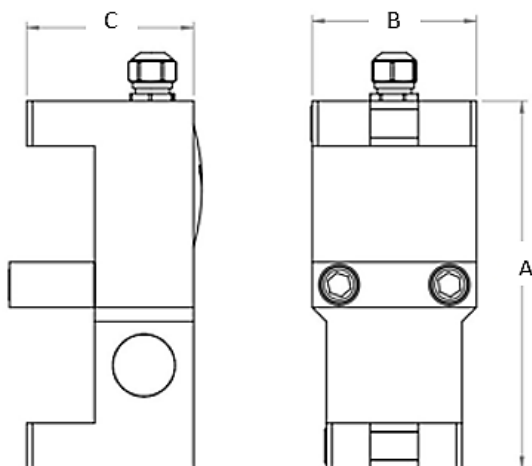


Type 3



Type 4

Dimensions



Model	Capacity in daN	Wire rope Diameter in mm	Dimensions in mm		
			A	B	C
HF35/1	2000	4 à 11	112	58	49
HF35/2	3000	12 à 17	130	58	59
HF35/3	6000	18 à 26	180	68	70
HF35/4	12000	27 à 36	250	78	84
HF35/5	20000	37 à 46	400	99	114