



UNLIMITED SAFETY

The LOAD SAFE series of load limiters has been designed to avoid accidents and breakdowns due to overloads in overhead electric travelling cranes, cranes, winches, hoists, lifting equipment or any other mechanism using traction by cable and where is required to limit a maximum tension.

There are two versions of load limiters: the ELECTRONIC one, which has a load cell and an electronic control board, and the MECHANIC one, which has a faster installation.



LOAD SAFE

Load limiter

The parameters of the electronic load limiter may be adjusted by the user through the three frontal push buttons. (S1, S2 and S3). These frontal push buttons allow configuring the equipment in weigh-in, calibration and programming parameters mode.

The electronic load limiter provides the possibility of interconnect up to 9 limiters by digital bus RS485 in order to obtain a system of remote limiters, with the possibility of configuring the limits with any reading weight from the limiters system satisfying the special applications requirements.

The mechanic load limiter is a safe and inexpensive system and, thanks to its design, does not need any type of maintenance. It is supplied adjusted to the load limit as required.



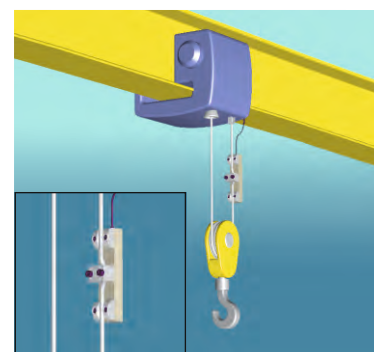
TECHNICAL SPECIFICATIONS Load Limiter LS3

Functioning Models	Transducer by strain extensometer gauges 1.000Kg / 2.000Kg / 4.000Kg / 6.000Kg / 8.000Kg /10.000Kg
Diameter wire	To calculate the result of each cell, please divide the maximum load of the crane by the number of the cable harness. Models available for all the common diameters, the special sizes are on request.
Power supply	100Vac to 240 Vac/50-60Hz -Optional 48Vac/50Hz
Limit outputs 1, 2 y 3	Output type: Commuted relay.
Maximum voltage	250Vef.
Maximum current	6A
Input cell signal	Input voltage: 0 to 10 mV.
Output load cells	2mV/V (+10%)
Power supply of load cells	+ 5Vdc
Maximum number of divisions	65.000
Number of internal divisions	32.000
Indicators	Red LEDs, indicatives of the status process.
Display	Display LED of 7 sections and 5 digits
Box dimensions	72mm x 91mm x 71mm

LOAD CELLS

Protection	IP66
Support	High resistance aluminum support
Breaking load	Of 300% on the F.E.*
Maximum load	200%
Power supply	From 5 to 15Vdc
Sensitive approx.	1,5 mV/V

* F.E. = rated load of the crane



TECHNICAL SPECIFICATIONS MECHANICAL Load Limiter

Accuracy	±1%
Working temperature	-10°C +60°C
Maximum capacity per wiring harness	9.000 Kg / 15.000 Kg
Maximum diameter of wire	30 mm / 40 mm
Outputs	1 contact 10A 125/250 Vac -40°C +85°C
Dimensions	175 x 100 x 70 mm
Finish	Bronze-chromed

02/2021

Design and specifications subject to modifications without prior warning.



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