

Gigasense LTM Load Time Measurement unit



Gigasense LTM Load Time Measurement unit measures load hours.

Several individual hoists can be measured by one LTM.

If an older or already used crane is equipped with an LTM unit, the already used load hours of the crane may be added to the LTM unit. The continuous load hours are measured by the LTM unit.

Furthermore, the LTM indicates service intervals of the crane. An alarm output gives you an indication when it is time for service. The service interval alarm may be easily reset by the crane operator. These resets are code protected for your safety.

GIGAsense

Gigasense products within Force Measurement and Crane Safety are well known high quality products, built from many years' experience and used by leading heavy duty industry around the world.

Gigasense products meet the highest demands of performance level requirements.

We are represented by many selected local partners in more than 30 countries on six continents.



Technical Data

Load time measurement signal input:
4-20 mA

Operating voltage:
100-240 VAC
Other voltages on request

Protection class:
IP66

Temperature range:
-20 to 70°C

Relay outputs:
Five potential free relays
Max load 250VAC @ 6A

Dimensions:
300x300x155 mm
the modul can also be supplied for
rail mounting

Load time registration calculates
according to:
SS-ISO 12482:2018
Cranes - Monitoring for crane
Design Working Period

FEM 9.755
Measures for achieving safe working
periods for motorized serial
hoist units
(S.W.P.)

FEM 9.511
Rules for the design of series
lifting equipment - classification of
mechanisms

Gigasense LTM - Load Time Measurement unit

Function

of the LTM is to register load time for up to four hoists.

The load time

measures accumulated load time of the crane.

Operating time

is the total time in operation, independent of the load.

Overload time

is the lifting time when the load exceeds the Safe Working Load (S.W.P.), which is registered.

Number of lifts are registered

and counts every hoist movement, both up and down.

Service Interval

can be set to indicate when it is time for maintenance.

Log book

means no manual records are necessary and the data is stored in the LTM.

Plug and Play

as all settings are made from factory.



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