

twilight

INSTRUMENTOS DE MEDICIÓN INDUSTRIAL

Dinamómetro Digital 15 TM TT-LLXH15

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technical data sheet

dynafor™ range LLXh
Electronic dynamometer
with removable display unit
W.L.L. : 15 to 250 t

ref. : **T 2027 GB**
rev. n° : **01**
date : **06/09**
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Description

Range of electronics' traction dynamometers with removable display unit. The radio connection (2.4 G. Hertz) with 80 m working range is permanent between the LLXh sensor and the display unit.

The shape of the dynamometers enable the use of standard shackles on both ends.

The dynamometers of this range function in all positions for the measurement of force and suspended for weighing purpose.

Capacities: 15, 25, 50, 100 and 250 tons.

Operating Principle

Strain gauge measurement of the extension, within its limits of elasticity, of a metal body subjected to traction stress.

The sensor generates an electrical signal that is proportional to the load. This signal is processed by a micro-processor analyser and then transmitted via radio waves to the display unit, which immediately displays the load applied to the sensor to which it is linked. The display unit is compatible with all of the LLX 2 model sensors, irrespective of their capacity.

Provisions applied :

Machine Directives : 98/37/CEE

European Standards : EN 12100-1 and 12100-2

CEM Directive : 89/336/CEE

Electrical Safety : IEC 61010-1 2de Edition 2001

Radio certifications : CE :Radio test EN 300 440-2 V1.1.1 / USA & Canada : FCC part 15 / Australia : C-Tick ID

R&TTE Directive (1999/5/CE)

Technical Specifications:

Precision: 0.2 % (ISO 376 . 21 °C)

Coefficient safety: minimum 4

Power supply: 3 x 1.5 V "AA" batteries. Removable Display 1 x LI ONE battery (delivered with charger)

The standard version of the equipment comes with batteries and power pack in a carrying case for capacities up to 50 t and wood case for 100 t and 250 t.

Protection : IP 65, NEMA 4 (sensor)

More details are available on page 2.

Optional Accessories

PC connection Kit

Connecting shackles

Swivel hooks as LLX

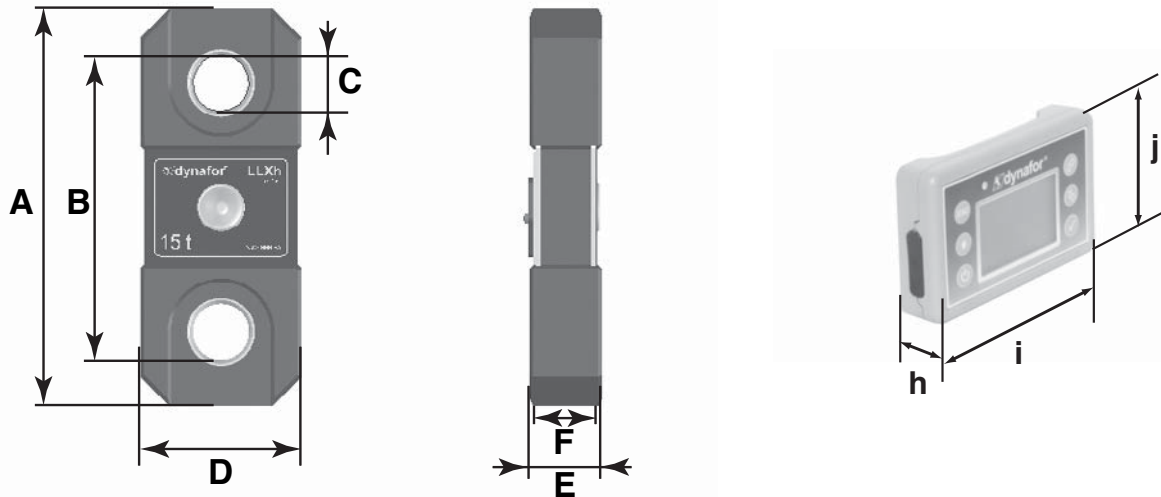
I.P. 67 Protection



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| MODEL | | LLXH 15 t | LLXH 25 t | LLXH 50 t | LLXH 100 t | LLXH 250 t | Display |
|--------------------|-----|---|--------------|--------------|---------------|---------------|---------|
| Maximum capacity | t | 15 | 25 | 50 | 100 | 250 | ALL |
| Test load | t | 30 | 50 | 100 | 200 | 500 | - |
| Safety coefficient | | Minimum 4 | | | | | - |
| Precision | | 0,2 % according to ISO 376 . 21°C | | | | | - |
| | daN | 30 | 50 | 100 | 200 | 500 | - |
| Increment | daN | 5 | 10 | 20 | 50 | 100 | <- |
| Max. display | | 16500 daN | 27500 daN | 55000 daN | 110.00 t | 275.00 t | <- |
| Number height | mm | - | - | - | - | - | 25 |
| Autonomy | | From 300 to 1000 h depending of functions | | | | | 48 h |
| Radio scope | m | 80 (in open field) (I.P. 67 = 60) | | | | | |
| RF Technology | | 2.4 Ghz | | | | | |
| Weight | kg | 4 | 6.6 | 15.1 | 46 | 215 | 0.180 |
| IP Protection | | I.P. 65 (option : I.P. 67) | | | | | I.P. 54 |
| Usage | | From - 20° to 40°C | | | | | |
| Sensitivity to T° | | 0.05% per 10°C | | | | | |
| Sensor material | | Aluminium | | | | | - |
| Dimensions mm | A | 320 | 360 | 440 | 660 | 905 | - |
| | B | 247.5 | 277 | 338 | 488 | 685 | - |
| | ØC | 47.5 | 56 | 72 | 108 | 150 | - |
| | D | 130 | 134 | 164 | 260 | 424 | - |
| | E | 58 | 68 | 98 | 118 | 248 | - |
| | F | 48 | 58 | 86 | 104 | 190 | - |
| | h | - | - | - | - | - | 26.7 |
| | i | - | - | - | - | - | 131 |
| j | - | - | - | - | - | 82 | |

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