

LWS 3F
Electronic
Load Weighing Systems

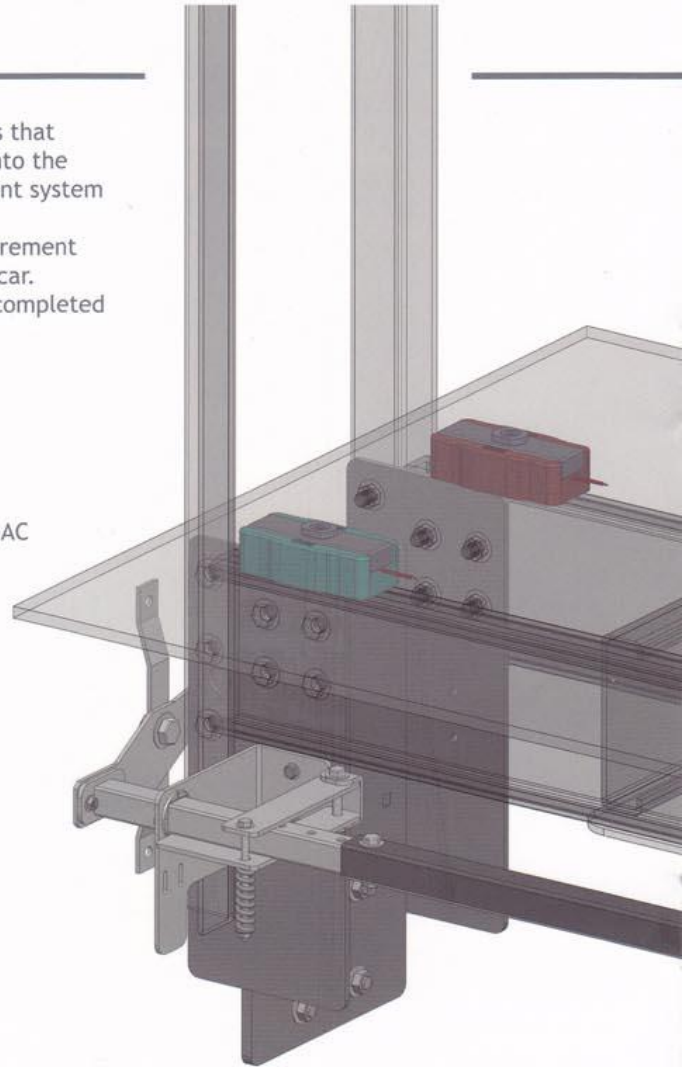
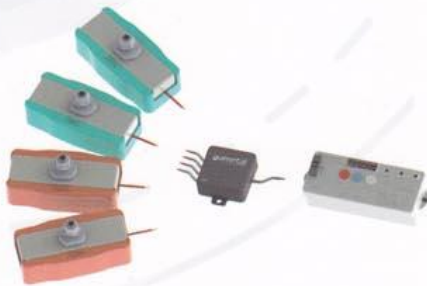


LWS 3F

LWS 3F is the first product of load weighing systems that Ametal R&D Department has created. Introduced into the market in 2009, LWS 3F is an electronic measurement system with load cells mounted at the bottom of the car. The programmable device supplies a precise measurement without a requirement for any physical load inside car. Thanks to this unique feature that settings can be completed easily and within minutes.

- **Operating voltage** : 220V AC 50Hz
- **Fuse** : 50mA
- **Number of outputs** : 3
(Overload: 804 - Full load: 805 - Minimum load: 802)
- **Output ranges** : 10A 120V AC / 7A 240V AC
- **Capacity** : 4.000 Kg
(Except the weight of car and the car frame)
- **Sensitivity (Kg)** : $\pm 2\%$
- **Weight** : 0,6 Kg/Load cell
- **Total weight** : 4.075 gr
(4 Load cells + power unit + other parts)
- **Number of Load cells** : 4
(2 pcs orange - 2 pcs turquoise)
- **Cable length** : 4,5 - 6 m
- **Temperature** : -5 °C - 70 °C
- **Guarantee** : 2 Years

01



System has 3 outputs that supply accurate measurement. These are; overload, full load and minimum load.
LWS 3F 802: Minimum Load / LWS 3F 805: Full Load / LWS 3F 804: Over Load

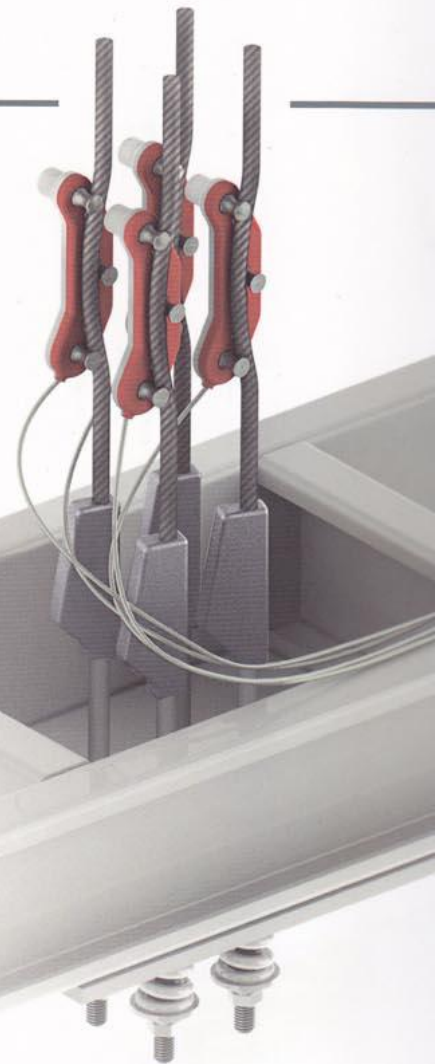
The mounting of minimal designed, plastic power unit box of LWS 3F is screwless-type. The power unit has protruding characters on it's surface. The plug-in type output cables of the product supply easy assembly.


LWS 3F 210

LWS 3F 210 Load weighing system measures, the load inside cabin through 4 load cells mounted on the steel ropes. It makes a measurement in 3 main functions (overload, full load and minimum load) using the pressure on the steel ropes. Thanks to its sensitivity that is below 5 %, the system guarantees an accurate measurement. Load cells being ultra-light make the work inside shaft easier for the lift technician.

- **Operating voltage** : 220V AC 50Hz
- **Fuse** : 50mA
- **Number of outputs** : 3
(Overload: 804 - Full load: 805 - Minimum load: 802)
- **Output ranges** : 10A 120V AC / 7A 240V AC
- **Capacity** : 4.000 Kg
(Except the weight of car and the car frame)
- **Sensitivity (Kg)** : ± 3
- **Weight** : 0,35 Kg/Load cell
- **Total weight** : 1.620 gr
(4 Load cells + power unit + other parts)
- **Number of Load cells** : 4
- **Cable length** : 4,5 m
- **Temperature** : -5 °C - 70 °C
- **Guarantee** : 2 Years

02



The most important feature of LWS 3F 210 load weighing system is its advantage of usage inside shaft, without a modification on the existing lift. As a matter of this fact, besides saving time, it is also an economic solution for lift projects. It can be preferred and used as same set of device, up to 4.000 kg capacity, either with 1:1 (direct) or 2:1 (in-direct) acting lifts. It's calibration can be made easily by a lift technician.



LWS 3F 310

With its unique design, LWS 3F 310 was produced as the FIRST IN THE WORLD. Four load cells of the system are mounted on the rope rods (on the threaded rod) and supply a precise measurement under pressure. The special design system is an ideal solution for the new lift projects. It's compact and light structure supplies easy assembly.

- Operating voltage : 220V AC 50Hz
- Fuse : 50mA
- Number of outputs : 3
(Overload: 804 - Full load: 805 - Minimum load: 802)
- Output ranges : 10A 120V AC / 7A 240V AC
- Capacity : 4.000 Kg
(Except the weight of car and the car frame)
- Sensitivity (Kg) : $\pm 3\%$
- Weight : 0,4 Kg/Load cell
- Total weight : 1.820 gr
(4 Load cells + power unit + other parts)
- Number of load cells : 4
- Cable length : 4,5 m
- Temperature : -5 °C - 70 °C
- Guarantee : 2 Years



03



The distinguishing feature of LWS 3F 310 is its tension measurement from the rope rods. This system is offered to the market by Ametal as the first in the world. Cylindrical shaped load cells have a shaft diameter of 16,5 mm. Thanks to this feature, the system can be used with not only rope rods of 8-10 mm diameters but also with 12 mm ones.



Change your perspective

The comfort and safety
of your lift are directly related to the time
it's used under the right conditions

LWS 3F 210 Rope Tension based Load Weighing System

Created for the comfort and safety of your lift, the electronic load weighing system keeps the capacity of the lift at the specified criteria. Thanks to this feature, the lift is prevented from wearing and its security is guaranteed.

- **Ultra Light**
Small system created by 4 light load-cells
- **Easy Assembly**
Simple assembly on the ropes in only 5 minutes
- **Accurate Measurement**
High rate of correct measurement
- **Price / Performance**
Superior technology and ease of use at an attractive price

