

WIRELESS CONTAINER SCALE



- CAPACITY 1 ... 50 T · 4 SUPPORT POINTS
- WIRELESS 2.4 GHz · UP TO 800 M
- HANDHELD SHOWS TOTAL WEIGHT
- SUPPLIED IN A CARRY CASE



2,4 GHz



IP68



IP67



Display



Stainless Steel
17-4 PH · 1.4542



Stainless Steel
AISI 304 · 1.4301

CAPACITY

total (kg)	total (kN)	per support point (kg)
1 000	10	250
2 000	20	500
4 000	40	1 000
10 000	100	2 500
20 000	200	5 000
30 000	300	7 500
40 000	400	10 000
50 000	500	12 500

Per support point: LKLA load cell in the LMLAV mounting kit, EFMC wireless transmitter fitted; the reading is taken on the EFMD wireless handheld. The load on one support point must not exceed the capacity of its load cell – mind uneven load distribution.



OVERVIEW

Four support points under the load, the handheld in your hand: the wireless container scale weighs where the load stands – with no cable between scale and display.

A support point made of the LKLA load cell in the LMLAV mounting kit goes under each corner of a container, vessel or frame. The fitted EFMC transmitter sends the reading by 2.4 GHz radio to the EFMD handheld. It shows the total weight and the values of the single support points – so the load distribution becomes visible as well. The scale needs neither cables nor mains power, is supplied in a carry case and is set up and taken down quickly.

1 ... 50 t

8 capacities

800 m

radio range, 2.4 GHz

IP68

load cells

35 h

handheld, 2 x AA

APPLICATIONS

- Weighing containers and vessels on four support points
- Check weighing before loading and transport
- Tanks, frames and machines – also temporarily, without fixed installation
- Load distribution from the single values of the support points

IN USE

- No cable between support points and display
- Battery powered, no mains supply needed
- Support points with lateral constraint and anti-tilt device
- Complete in a carry case, quickly set up

SYSTEM



Support point with fitted transmitter



Complete in the carry case



TECHNICAL DATA

LOAD CELLS (4 × LKLA)

Type	Compression load cell
Material	17-4PH stainless steel 1.4542
Rated output	2.0 mV/V ± 0.1 %
Combined error	≤ ±0.03 % FS (C2) · ≤ ±0.02 % FS (C3) on request
Bridge resistance	700 ± 10 Ω
Compensated temperature range	-20 ... +70 °C
Safe overload	150 % FS
Protection	IP68

MOUNTING KITS (4 × LMLAV)

Material	Plates and laminas AISI 304 stainless steel
Lateral forces	Laminas with horizontal constraint function
Anti-tilt	Two threaded rods with self-locking nut
Plates	175 × 150 mm · height 95 mm
Fixing	upper 4 × M12 × 1.75 · lower 4 × Ø 14 mm
Weight	5.7 kg per kit, without load cell

SCOPE OF DELIVERY

4 × LKLA	Compression load cell, capacity as ordered
4 × LMLAV	Mounting kit, load cell installed
4 × EFMC	Wireless transmitter, fitted to the mounting kit and connected to the load cell
1 × EFMD	Wireless handheld
1 ×	Carry case, 60 × 40 × 28 cm
Total weight	30 kg

WIRELESS TRANSMITTERS (4 × EFMC)

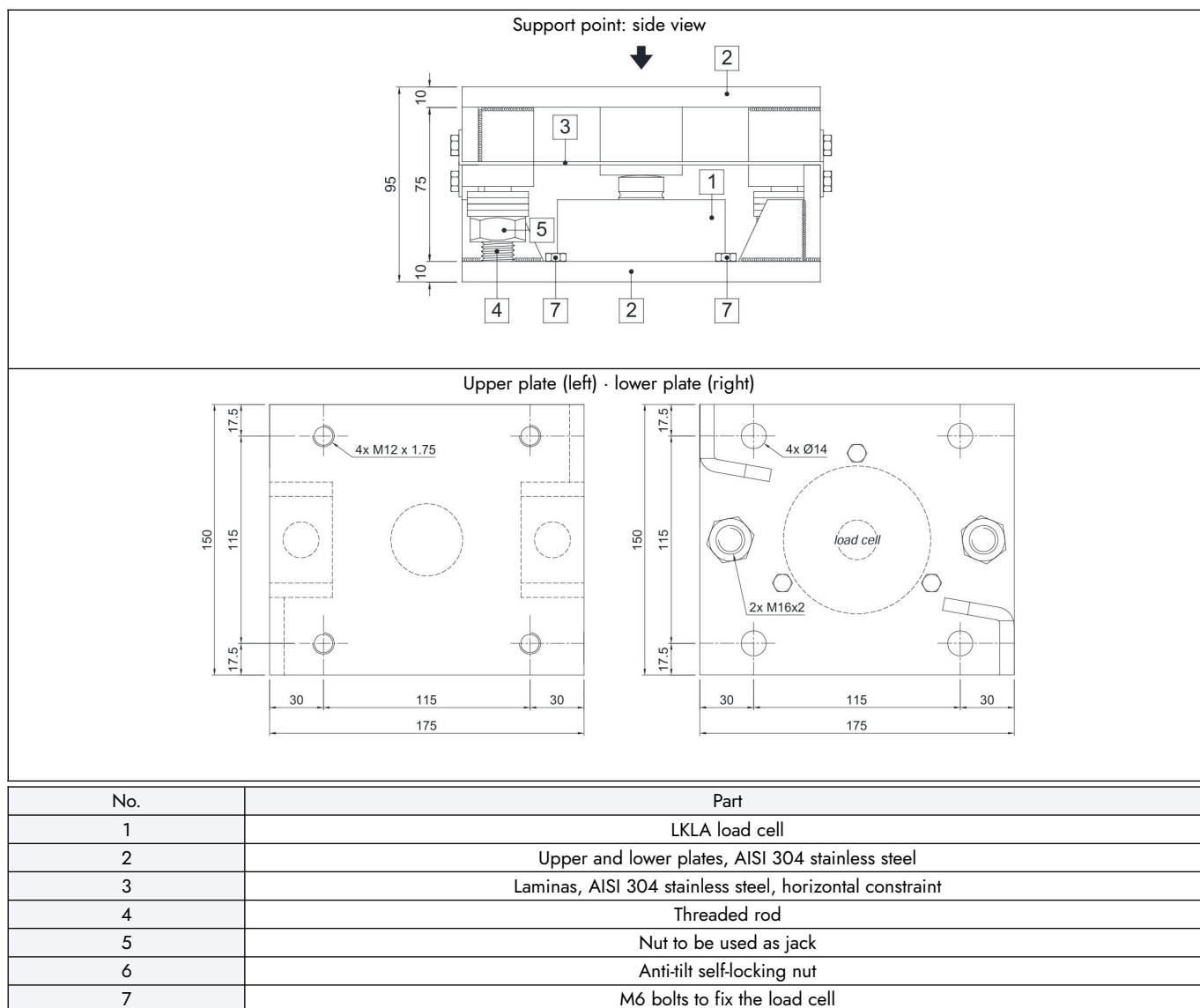
Radio	2.4 GHz, DSSS, 10 mW, licence exempt
Range	up to 800 m, open field, 3 m above ground
Encryption	AES 128 bit
Reading rate	up to 200 readings/s
Resolution	18.75 bit noise free at 1 reading/s
Batteries	2 × AA · 3 weeks continuous · 2 years at 12 × 5 min/day
Protection	IP67 / NEMA 4
Operating temperature	-20 ... +55 °C

HANDHELD (1 × EFMD)

Display	Total weight of the four support points · single values with tare, min, max
Inputs	up to 12 transmitters
Batteries	2 × AA · 35 h continuous
Setup	on the device or with free software via USB
Protection	IP67 / NEMA 4
Operating temperature	-10 ... +50 °C
Dimensions	170 × 93 × 40 mm



DIMENSIONS (mm)



Dimensions in mm. The drawings show one support point without transmitter; the EFMC transmitter (80 × 62 × 34 mm) is fitted to the side of the mounting kit.

COMPLIANCE AND CERTIFICATION

Protection Rating	Load cells IP68 (IEC 60529) · transmitters and handheld IP67 / NEMA 4	
Calibration	Load cells factory calibrated · scale optionally calibrated to ISO 17025	
Certifications	 2,4 GHz	Radio approvals FCC, ETSI, IC (transmitters and handheld)
Certifications (on request)		Calibration of the scale to ISO 17025 (optional)

