

WIRELESS LOAD LINK



- RATED LOAD 1 ... 500 T
- RADIO 2.4 GHZ · UP TO 120 M
- BATTERY UP TO 200 H
- ANODISED ALU · IP67



IP67



Aluminum
Alloy



2,4 GHz



NOMINAL LOAD (FS)

t	kN	Safe overload (t)	Breaking load (t)	Weight (kg)
1	10	1.5	4	1.5
2	20	3	8	1.5
5	50	7.5	20	1.5
12	120	18	48	2.0
20	200	30	80	4.5
25	250	37.5	100	4.5
35	350	52.5	140	5.5
50	500	75	200	10.0
100	1 000	150	400	28
250	2 500	375	1 000	90
500	5 000	750	2 000	on request

Safe overload 150 %, breaking load 400 % of the rated load. Weight of the load link. The 500 t size is available on request only.



OVERVIEW

A load cell that hooks into the chain: the link hangs on standard shackles in the load path, the handheld display unit stays in the operator's hand, and there is no cable between them. The hook-in wireless load link was developed for measuring cable forces and for under-the-hook crane and lifting weighing. It is accurate in spite of compact dimensions and low weight, and its robust build makes it usable in rough surroundings.

LOAD LINK

- 11 rated loads from 1 t to 500 t
- 150 % overload, 400 % breaking load
- combined error $< \pm 0.05$ % of range
- anodised aluminium, IP67
- battery life max. 200 h

HANDHELD DISPLAY UNIT

- 8-digit display
- two-key operation with tare function
- 2.4 GHz radio, range max. 120 m
- auto power-off and remote on/off
- waterproof to IP65 / NEMA 4



TECHNICAL DATA

MEASUREMENT

Measuring ranges	0 ... 1 / 2 / 5 / 12 / 20 / 25 / 35 / 50 / 100 / 250 / 500 †
Input resistance	800 Ω
Output resistance	700 Ω
Insulation resistance	> 500 M Ω at 100 VDC

PRECISION

Combined error	< ± 0.05 % of range
Temperature effect on span	< ± 0.003 % of range / °C
Temperature effect on zero	< ± 0.005 % of range / °C
Linearisation	10 steps
Compensated temperature range	-10 ... +40 °C
Operating temperature range	-20 ... +60 °C

MECHANICAL PROPERTIES

Type	hook-in load link
Use	with standard shackles
Material	anodised aluminium, type 2014T6
Weight	1.5 kg (1 t) ... 90 kg (250 t)

MECHANICAL LIMITS

Safe overload	150 % of rated load
Breaking load	400 % of rated load

RADIO TRANSMISSION

Output	by radio to the handheld display unit
Transmission frequency	2.4 GHz
Range	max. 120 m
Several links	up to 255 at the same time

HANDHELD DISPLAY UNIT

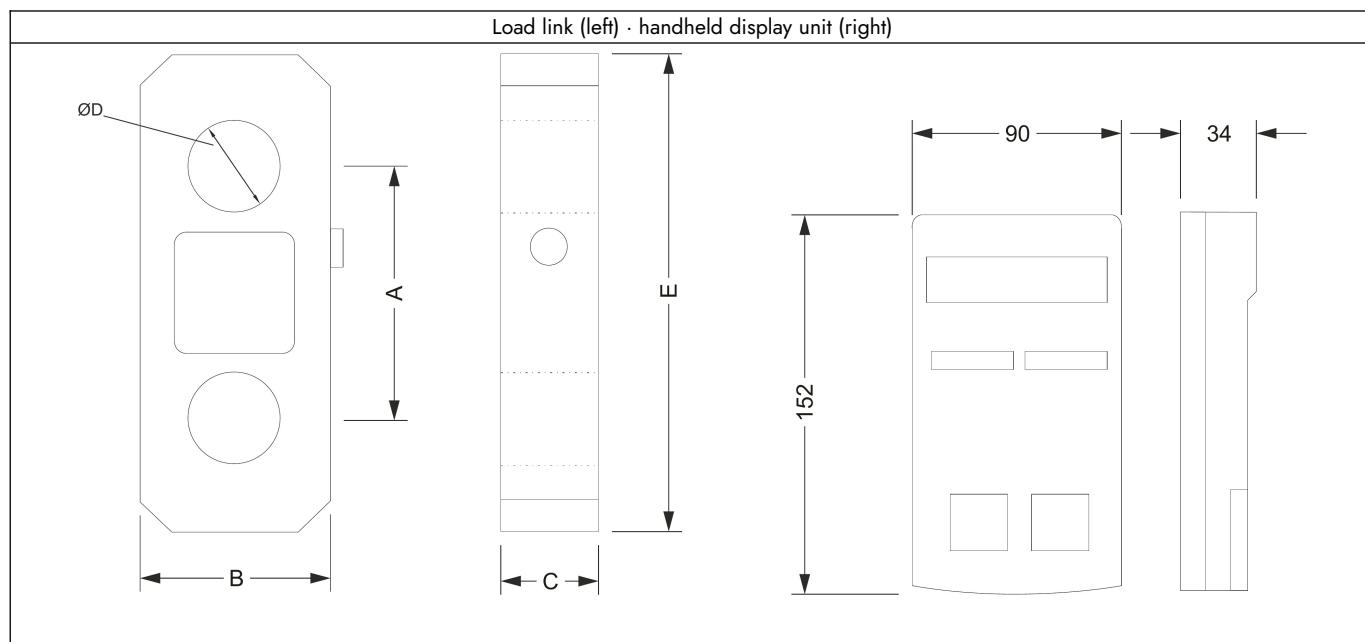
Display	8-digit display
Operation	two keys with tare function
Special functions	auto power-off · remote on/off
Dimensions	152 x 90 x 34 mm

POWER SUPPLY

Battery, load link	2 x lithium 1/2 AA, 3.7 VDC
Battery, handheld unit	2 x lithium AA, 1.5 VDC
Battery life	max. 200 h



DIMENSIONS (mm)



Dimensions in mm. The letters A, B, C, ØD and E belong to the drawing of the load link; the handheld display unit is the same for every size.

DIMENSION TABLE (mm)

Rated load (t)	A	B	C	ØD	E
1 · 2 · 5	137	105	41.5	30	193
12	149	105	41.5	38	239
20	160	125	55	53	284
25	160	125	55	53	284
35	175	138	55	60	335
50	198	150	75	73	375
100	275	220	120	100	500
250	365	304	189	145	720
500	—	—	—	—	—

500 t size: dimensions on request.

COMPLIANCE AND CERTIFICATION

Protection Rating	IP67 · handheld display unit IP65 / NEMA 4
Calibration	Calibration certificate to ISO/IEC 17025 on request

