

Characteristics

0300 - LOAD MEASUREMENT - FORCE - RADIO -



- Measurement ranges:	0...1 t up to 0...500 t
- Overload/ultimate load:	150 % / 400 % of range
- Operation:	with standard load lugs
- Accuracy:	< ±0,05% of range
- Output resistance:	700 Ω
- Operating temperature:	-20...+60 °C
- Isolation resistance:	> 500 MΩ (at 100 VDC)
- Range:	max. 120 m
- Frequency:	2,4 GHz
- Protection class:	IP67
- Battery life:	max. 200 hours

Technical Data

Input

Measurement ranges:	0...1 / 0...2 / 0...5 / 0...12 / 0...20 / 0...25 / 0...35 / 0...50 / 0...100 / 0...250 / 0...500 t
Input resistance:	800 Ω

Output

Output:	via radio transmission to handset display
Output resistance:	700 Ω

Accuracy

Combined error:	< ±0,05 % of range
Temperature coefficient:	
of span:	< ±0,003% of range / °C
of zero:	< ±0,005% of range / °C
Linearization:	10 steps

Supply

Batteries:	Cell:	2x Lithium 1/2 AA, 3,7 VDC
	Handset:	2x Lithium AA, 1,5 VDC
Isolation resistance:	> 500 MΩ (at 100 VDC)	

Environmental Conditions

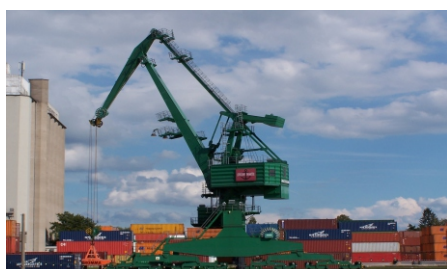
Temperature:	Compensated range:	-10...+40°C
	Operating range:	-20...+60°C

Mechanics

Dimensions:	see table page 2
Material:	Anodized aluminum, type 2014T6
Safe overload:	150% of nominal load
Ultimate load:	400% of nominal load
Protection class:	IP67
Handset:	Water-resistant up to IP65 / NEMA 4
Operation:	can be used with standard load lugs

Applications

The hook-in radio load cell MFWZ was specifically developed to measure cable forces and hooked crane- / lift weighing applications. Even with compact dimensions and low weight, the device is highly accurate. Thanks to a robust design, the MFWZ is also suitable for rough environmental conditions.



● **Technical Data (Continued)**

Performance Parameters

Display:	8-digit display
Control:	2-key operation with tare function
Data transmission:	Radio
Transmission frequency:	2,4 GHz
Transmission range:	max. 120 m
Special functions:	Auto power-off Remote on/off

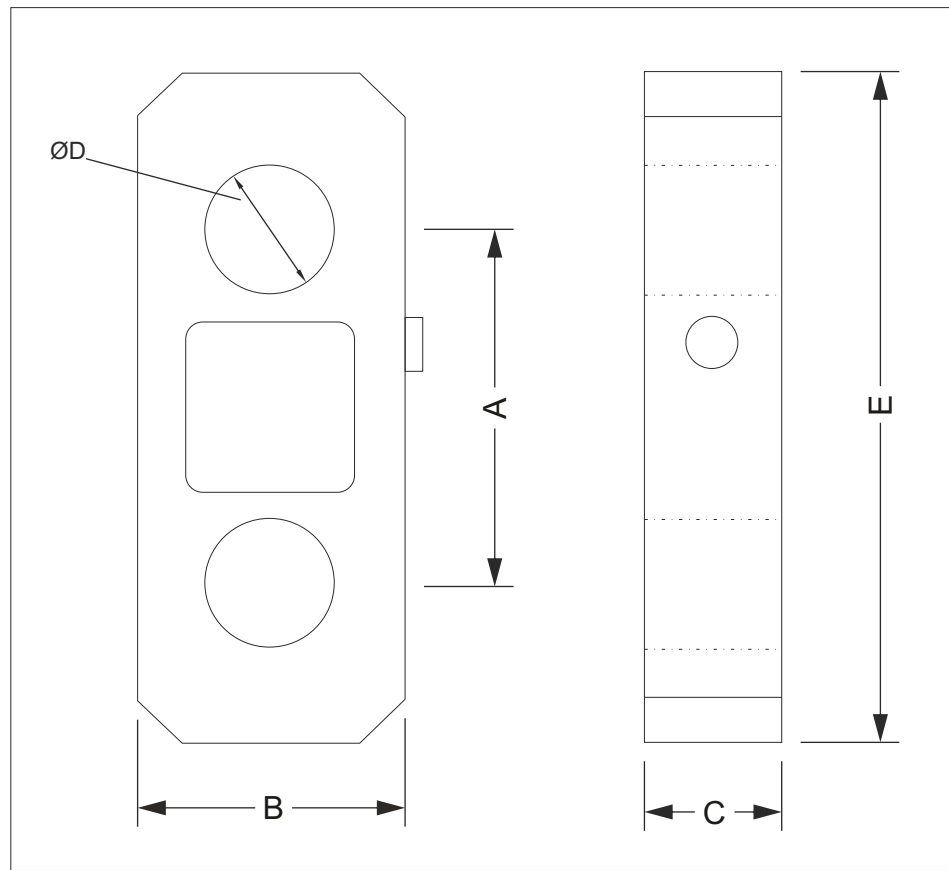
● **Dimensions (in mm)**

Dimensions						
Capacity (t)	A	B	C	DØ	E	Weight (kg)
1, 2, 5	137	105	41,5	30	193	1,5
12	149	105	41,5	38	239	2,0
20	160	125	55	53	284	4,5
25	160	125	55	53	284	4,5
35	175	138	55	60	335	5,5
50	198	150	75	73	375	10,0
100	275	220	120	100	500	28
250	365	304	189	145	720	90
500	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*

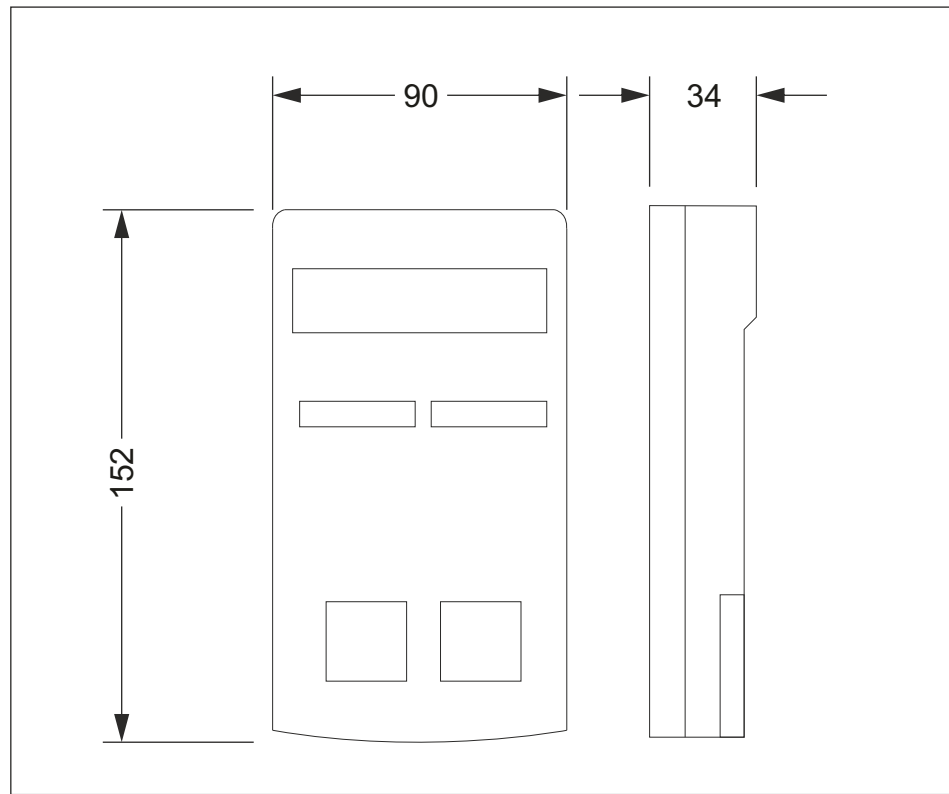
*Measurement range only available on request

● **Dimensions (Continued)**

Dimensions Load Cell (in mm)



Dimensions Handset Display (in mm)



● **Order Code**

F	W	X	X	X	X	X	X	-	X	X	X
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Material: Anodized aluminum 0

Type: Radio 0

Measurement range:	0...1 t	0
	0...2 t	1
	0...5 t	2
	0...12 t	3
	0...20 t	10
	0...25 t	4
	0...35 t	5
	0...50 t	6
	0...100 t	7
	0...250 t	8
	0...500 t	9

Other / Accessories: Special model 0