



- TKI with digital display and radio control

The crane weigher can be operated by radio control. The displayed values can be taken off the remote control device and can be transferred to a PC. Several measured values can be totalled and saved. Various functions like piece counting, maximum weight (gross/net) can be realized.

Features

- TKI crane weigher has the same features like the model TKE.
- Remote control and data exchange via radio transmission.
- USB interface
- Accumulation memory

Optional

- User software for data processing
- PC cable
- Lower hook

Scope of delivery

- Crane weigher with infrared remote control
- Remote control and data exchange via radio transmission.
- 8 x 1.5V AA batteries
- Carrying case
- Test certificate
- Upper and lower shackle

Crane weighers

Measuring range 0 - 9.5t

The crane weighers TKE and TKI are compact measuring devices for the weighing of loads.

Due to the compact design and robust steel housing the crane weighers are suitable for a wide range of applications. The crane weighers have a liquid crystal display (LCD), which can tare as well as show either the gross or the net load.

Both models TKE and TKI are fitted with an infrared remote control with a range of 8 m.

- TKE with digital display

Features

- High accuracy: $\pm 0,03\%$ of the weighing range
- Lightweight design
- Easy-to-read display
- Easy to use
- Robust design
- Retains the peak value to memory.
- Operating time of about 40 hours (without radio frequency communication)
- Automatic setting to zero when load indicator is switched on.
- Display of maximum weight (gross/net).
- Display of measuring units on the load indicator.
- Measuring units g, kg, t and lbs.
- Automatic stand-by for a prolonged battery lifetime.

Optional

- Lower hook

Scope of delivery

- Crane weigher with infrared remote control
- 4 x 1.5 V AA batteries
- Carrying case
- Test certificate
- Upper and lower shackle

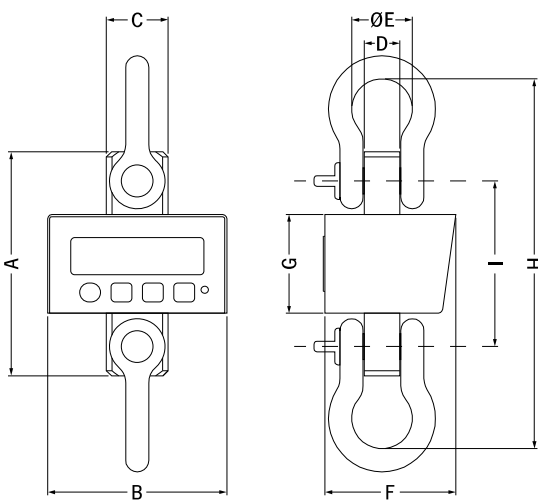
Technical data TKE and TKI

Model	TKE 1,5 TKI 1,5			TKE 6,0 TKI 6,0			TKE 9,5 TKI 9,5		
	Art.-No. TKE	N53908560			N53908561			N53908562	
Art.-No. TKI	N53908566			N53908567			N53908568		
Measuring range, t	0 - 1.5			0 - 6.0			0 - 9.5		
Breaking load, t	≥ 4.5			≥ 24.0			≥ 38.0		
Weight with lifting accessories, kg	6			10			15		
Resolution step, kg (partition)	up to 300 0.1	up to 600 0.2	up to 1500 0.5	up to 1500 0.5	up to 3000 1.0	up to 6000 2.0	up to 3000 1.0	up to 6000 2.0	up to 9500 5.0
Operation time, approx., h ¹	40								
Temperature range (operation)	- 10°C up to + 40°C								
Temperature range (storage)	- 10°C up to + 40°C								
Protection	IP 40								
Display (LCD 25 mm high)	5 ½ digits								
Tare range	100% of rated capacity								
Overload warning	The crane weigher switches off when exceeding the rated load.								

¹with 4 x 1.5V AA batteries (without radio frequency communication)

Dimensions TKE and TKI

Model	TKE 1,5 TKI 1,5	TKE 6,0 TKI 6,0	TKE 9,5 TKI 9,5
A, mm	193	226	246
B, mm	175	175	175
C, mm	49	59	80
D, mm	24	37	46
E, mm	44	58	74
F, mm	133	133	133
G, mm	104	104	104
H, mm	330	363	430
J, mm	153	170	180





- TKR with digital display and radio control

The crane weigher can be operated by radio control. The displayed values can be taken off the remote control device and can be transferred to a PC. The system can be combined with an easy-to-read display. Several measured values can be totalled and saved.

Features

- TKR crane weigher has the same features like the model TKL plus.
- Remote control and data exchange via radio transmission.
- USB interface
- Accumulation memory

Optional

- External easy-to-read display.

Scope of delivery

- Crane weigher
- Remote control with display
- 7 x 1.5V AA batteries
- Carrying case
- Test certificate
- PC cable
- User software



Crane weighers

Measuring range 0 - 12 t

The crane weighers TKL and TKR are compact measuring devices for the weighing of loads. Use appropriate attachments like grade 8 forgings between the hook of the hoist or crane, the crane weigher and the load.

The crane weighers have a liquid crystal display (LCD), which can tare as well as show either the gross or the net load. It also indicates overload at 110 % of the rated capacity and the status of the battery.

- TKL with digital display

Features

- High accuracy
- Lightweight design
- Easy-to-read display
- Easy to use
- Robust design
- Housing can be rotated 180°
- Retains the peak value to memory.
- The battery capacity provides for around 200 operating hours.
- Automatic setting to zero when load indicator is switched on.
- Use of rechargeable batteries possible (external battery charger*).
- Display of maximum weight (gross/net).
- Display of measuring units on the load indicator.
- Measuring units kg, t, lbs, to, kN.
- Automatic stand-by for a prolonged battery lifetime.
- Simple change of batteries
- Warning if batteries are low.
- Overload warning

Scope of delivery

- Crane weigher
- 4 x 1.5V AA batteries
- Carrying case
- Test certificate

* not part of the delivery package.

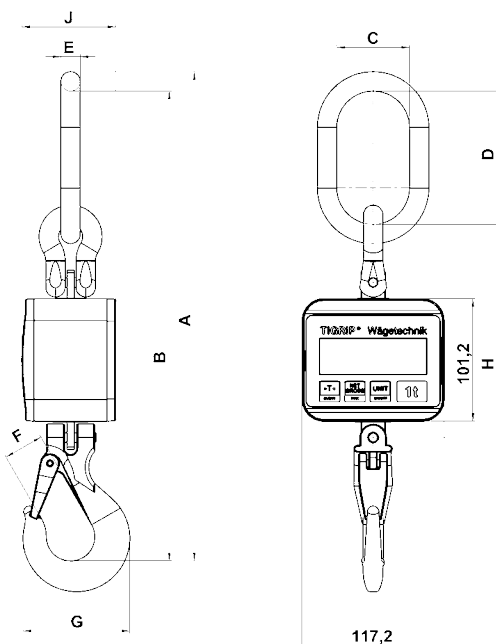
Technical data TKL and TKR

Model	TKL 1,0 -	TKL 2,0 -	TKL 3,2 -	- TKR 5,0	- TKR 8,0	- TKR 12,0
Art.-No. TKL	N53908446	N53908448	N53908451	-	-	-
Art.-No. TKR	-	-	-	N53908454	N53908456	N53908458
Measuring range, t	0 - 1.0	0 - 2.0	0 - 3.2	0 - 5.0	0 - 8.0	0 - 12.0
Nominal load, t	1.0	2.0	3.2	5.0	8.0	12.0
Limit load, t	1.1	2.2	3.5	5.5	8.8	13.2
Breaking load, t	≥4.0	≥8.0	≥13.0	≥20.0	≥32.0	≥48.0
Weight without lifting accessories, kg	1.85	1.99	2.5	2.7	3.6	3.9
Weight with lifting accessories, kg	3.0	3.5	6.0	7.5	10.5	20.0
Accuracy of the end value	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Resolution step, kg (partition)	0.5	1.0	1.0	1.0	2.0	5.0
Operation time, approx., h ¹	200					
Temperature range (operation)	-10°C up to +50°C					
Temperature range (storage)	-20°C up to +70°C					
Protection	IP 54					
Display (LCD 20.5 mm high)	4 ½ digits					
Tare range	100% of rated capacity					
Overload warning	Overload warning at 110% of the rated capacity					

¹with 4 x 1.5V AA batteries

Dimensions TKL and TKR

Model	TKL 1,0 -	TKL 2,0 -	TKL 3,2 -	- TKR 5,0	- TKR 8,0	- TKR 12,0
A, mm	389	417	488	571	657	804
B, mm	356	379	441	514	588	709
C, mm	60	60	75	90	100	140
D, mm	110	110	135	160	180	260
E, mm	13	16	18	22	26	35
F, mm	20	25	32	40	49	45
G, mm	70	81	103	126	152	190
H, mm	128	136	140	148	158	176
J, mm	77.4	77.4	84.4	84.4	97.4	97.4





- TZR with digital display and radio control

The load indicator can be operated via radio control. The displayed values can be taken off the remote control device and can be transmitted to a PC. The system can be combined with an easy-to-read display. Several measured values can be totalled and saved.

Features

- TZR load indicator has the same features like the model TZL plus.
- Remote control and data exchange via radio transmission.
- USB interface
- Accumulation memory

Optional

- External easy-to-read display.

Scope of delivery

- Load indicator
- Remote control with display
- 7 x 1.5V AA batteries
- Carrying case
- Test certificate
- Without shackles and hooks
- PC cable
- User software



Load indicator

Measuring range 0 - 100 t

The Tigrip® load indicator is a mechanical measuring instrument with electronic display. On account of its flexibility the Tigrip® load indicator has universal applications. Whether used as a conventional crane weigher or to measure forces, it is the economical choice for various applications. It can be used in conjunction with shackles and hooks.

The load indicator is provided with liquid crystal display (LCD), which can tare as well as show either the gross or the net load. It also indicates overload at 110 % of the rated capacity and the status of the battery).

- TZL with digital display

Features

- High accuracy
- Lightweight design
- Easy-to-read display
- Easy to use
- Robust design
- Retains the peak value to memory.
- The battery capacity provides for around 200 operating hours.
- Automatic setting to zero when load indicator is switched on.
- Use of rechargeable batteries possible (external battery charger*).
- Display of maximum weight (gross/net).
- Display of measuring units on the load indicator.
- Measuring units kg, t, lbs, to, kN.
- Automatic stand-by for a prolonged battery lifetime.
- Simple change of batteries
- Warning if batteries are low.
- Overload warning

Scope of delivery

- Load indicator
- 4 x 1.5V AA batteries
- Carrying case
- Test certificate
- Without shackles and hooks

* not part of the delivery package.

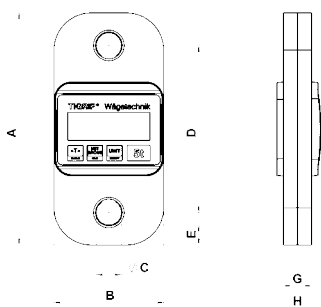
Technical data TZL and TZR

Model	TZL 2,5 -	TZL 5,0 -	TZL 10,0 TZR 10,0	TZL 20,0 TZR 20,0	- TZR 35,0	- TZR 50,0	- TZR 100,0
Art.-No. TZL	N53808324	N53808325	N53808326	N53808327	-	-	-
Art.-No. TZL shackles	CM851A	N42000064	N42000069	N42000069	-	-	-
Art.-No. TZL hooks	N53818351	N53818352	N53818322	N53818324	-	-	-
Art.-No. TZR	-	-	N53808333	N53808335	N53808336	N53808337	N53808338
Art.-No. TZR shackles	-	-	N42000069	N42000069	N42000071	N42000072	N42000075
Art.-No. TZR hooks	-	-	N53818322	N53818324	N53818326	N53818328	N53818330
Measuring range, t	0 - 2.5	0 - 5.0	0 - 10.0	0 - 20.0	0 - 35.0	0 - 50.0	0 - 100.0
Nominal load, t	2.5	5.0	10.0	20.0	35.0	50.0	100.0
Limit load, t	2.75	5.5	11	22	38.5	55	110
Breaking load, t	≥ 10	≥ 20	≥ 40	≥ 80	≥ 140	≥ 200	≥ 400
Weight without lifting accessories, kg	1.7	2.1	3.9	6.8	9.4	14.4	39.3
Accuracy of the end value	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Resolution step, kg (partition)	1	1	10	10	10	10	50
Operation time, approx., h ¹	200						
Temperature range (operation)	-10°C up to +50°C						
Temperature range (storage)	-20°C up to +70°C						
Protection	IP 54						
Display (LCD 20.5 mm high)	4 ½ digits						
Tare range	100% of rated capacity						
Overload warning	Overload warning at 110% of the rated capacity						

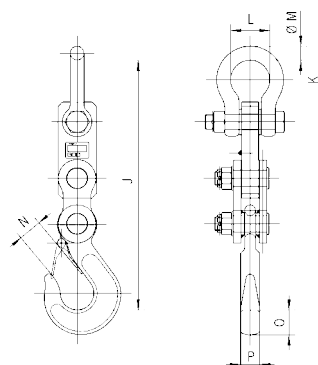
¹with 4 x 1.5V AA batteries

Dimensions TZL and TZR

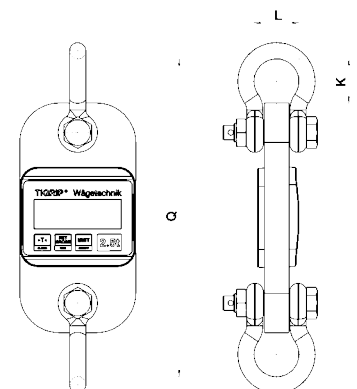
Model	TZL 2,5 -	TZL 5,0 -	TZL 10,0 TZR 10,0	TZL 20,0 TZR 20,0	- TZR 35,0	- TZR 50,0	- TZR 100,0
A, mm	233	250	325	378	405	450	640
B, mm	118	118	118	141	156	180	260
C, mm	22	27	48	55	66	76	100
D, mm	173	180	213	233	245	264	380
E, mm	19	215	22	32	47	55	80
G, mm	25	305	47	57	67	77	99
H, mm	422	451	644	742	842	942	113
J, mm	604	610	690	780	1000	1170	-
K, mm	34	50	105	92	130	140	300
L, mm	38	44	95	95	114	132	238
M, mm	16	19	35	35	44	51	89
N, mm	25	32	50	70	110	115	-
O, mm	23	37	63	80	123	132	-
P, mm	17	28	44	57	90	97	-
Q, mm	309	315	535	562	665	730	1240



Load indicator TZL/TZR 2.5 up to 100.0t



Load indicator TZL/TZR with hook



Load indicator TZL/TZR with shackle