

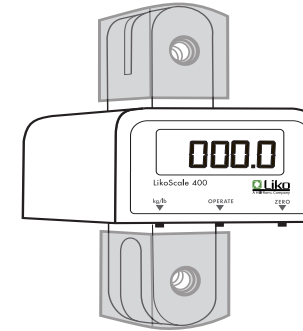
## Calibration

For calibration, see manufacturer's instructions or contact Liko.



## Technical Data

<b>e = d</b>	Scale interval 100 g (0.22 lbs.)
<b>Readout:</b>	Sensitive to 0.1 kg (0.22 lbs.)
<b>Tolerance:</b>	+/- 0.1 kg (0.22 lbs.)
<b>Max. load:</b>	400 kg (880 lbs.)
<b>Min. load:</b>	10 kg (22 lbs./1.57 st.)
<b>Reset:</b>	One button reset ("zero")
<b>Power supply:</b>	Battery 9 V lithium
<b>Battery:</b>	9 V Alkaline. Battery life: about 3,000 readings
<b>Display:</b>	Digital, liquid crystal (LCD)
<b>Size:</b>	76 x 76 x 102 mm (2.3 x 2.3 x 4 in.) (W x L x H)
<b>Weight:</b>	0.6 kg (1.3 lbs.)
<b>Temperature range:</b>	+10° C to +40° C (+50° F to +104° F)
<b>Humidity range:</b>	0% - 95%



### LikoScale 400

Prod. No. 3156226

LikoScale 400 is a convenient, easy-to-use scale that is intended for weighing patients in Liko mobile or stationary lifts. Together with Liko's lifts and lifting accessories, LikoScale 400 enables safe and easy weighing.

The weight is shown on the scale's digital display. By selecting unit mode the scale can display either kg or lbs.

The scale should only be used in combination with approved lifts and accessories in accordance with the instructions in this guide.

#### LikoScale 400 can be used with the following Liko lifts:

##### Viking (S, M, L, XL)

- require Adapter 12 mm, Prod. No. 2016504.

##### Uno (all models)

- Uno models with serial numbers from 31825 require Adapter 12 mm, Prod. No. 2016504.

- Uno models with serial numbers up to 31824 require Adapter 8 mm, Prod. No. 2016502.

**Golvo** (all models)

**Likorall** (all models)

**Multirall** (all models)

**Liko MasterLift** (all models)

*As the lifting height is limited when LikoScale is used in combination with LikoLight or Viking XS, we do not recommend these alternatives.*

\* This user guide is a complement to the complete documentation issued by the manufacturer of the scale. The intention with this document is to make it easier for our customers to use LikoScale in combination with Liko's products. For detailed information regarding the scale we refer you to the manufacturer's Operation Guide (attached).

© Copyright Liko AB 2009-04



[www.liko.com](http://www.liko.com)

#### Distributor:

Liko AB  
SE-975 92 Luleå  
Sweden  
info@liko.se

#### Manufacturer:

SR Instruments, Inc  
600 Young Street  
Tonawanda, NY 14150  
USA



**Before assembly, make sure you have the following:**

- Tool kit, 2 screws, 2 locking nuts
- User Guide from Liko
- 2 sleeves
- Operation Guide from manufacturer
- Battery
- Declaration of Calibration

## Installing/ Replacing the battery

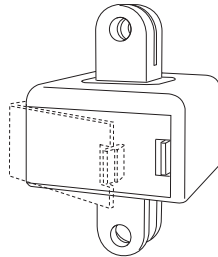
LikoScale 400 is delivered with a 9 V battery with a battery life of about 3000 readings.

### Installation of battery:

1. Open the door on the back of the scale.
2. Install the battery.
3. Close the door.

When the battery needs to be replaced, a small battery symbol will appear in the upper left corner of the display.

**NOTE!** Old batteries should be left at the nearest recycling station.



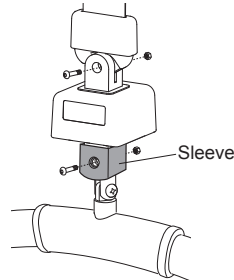
## Assembly Instructions

Follow the assembly instruction for the appropriate Liko lift.

### Likorall, MasterLift, Golvo: Fixed assembly

Always use one of the sleeves, included with the scale.

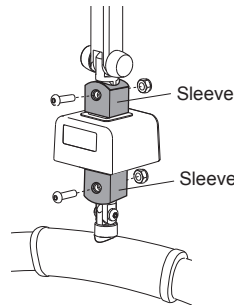
1. Remove the lifting accessory from the lift.
2. Place one sleeve on the scale's lower attachment point. Mount the lifting accessory under the scale, using bolt and locking nut provided.
3. Mount the scale on to the lift, using bolt and locking nut provided.



### Viking, Uno: Fixed assembly with adapter

Always use two sleeves, included with the scale

1. Remove the lifting accessory from the lift.
2. Mount the appropriate adapter (see previous page) on to the lift in accordance with the assembly instruction.
3. Place one sleeve on the scale's lower attachment point. Mount the lifting accessory under the scale, using bolt and locking nut provided.
4. Place one sleeve on the scale's upper attachment point. Mount the scale in its upper attachment to the adapter, using bolt and locking nut provided.



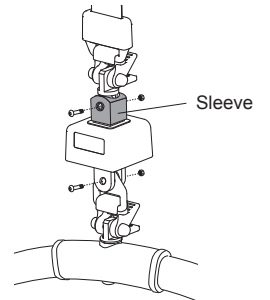
**△ When disassembling the scale, the adapter must be removed from the lift before a lifting accessory is reassembled on to the lift.**

### Multirall, Likorall 200 / R2R: Quick-release assembly

Liko lifts equipped with (Q-Link) quick fastener require the Adapter Kit LikoScale, Prod. No. 3156232

Always use one of the sleeves, included with the scale.

Mount the Adapter Kit LikoScale in accordance with the assembly instruction.



## Operation

The normal climate range for operation of LikoScale 400 is between +10°C (50°F) to +40°C (104°F) at a relative humidity not exceeding 95%.

The scale must not be stored at temperatures below -20°C (-4°F) or above +50°C (+122°F).

When the scale is stored for more than 6 months, the battery should be removed.

Follow instructions for Installing/replacing the Battery.

Before weighing, ensure the scale has been installed in accordance with the Assembly Instructions on pages 2-3.

**△ Before lifting, check that the lifting accessory is hanging vertically and can move freely.**

### Setting of unit mode (kg/lbs.)

Press the (kg/lbs) - button on the scale to display either kg or lbs.

### Weighing with LikoScale 400

The scale can be reset to zero with or without the sling. If the scale is reset to zero without the sling attached to the sling bar, the weight of the patient will include the weight of the sling. Therefore the weight of the sling must be subtracted to obtain the correct weight of the patient.

Resetting the scale with the sling is described below:

1. Connect the sling to the sling bar.
2. Start the scale by pressing the "OPERATE" button.
3. Reset the scale by pressing the "ZERO" button. When the scale is ready, the value "0.0" will appear on the display.
4. Remove the sling from the sling bar and apply the sling to the patient in accordance with the instruction guide for the sling and lift. Connect the sling to the sling bar.
5. Raise the sling bar so the patient rises slightly. Never lift a patient higher than necessary.
6. When the lifting motion has stabilized, press the "OPERATE" button. The patient's weight can now be read on the display. The scale turns off automatically after about 60 seconds. For further readings, press the "OPERATE" button.
7. Lower the patient carefully and remove the sling from the sling bar.