

HYDRAULIC

KIMAX 1



Hydraulic Set includes:

Kimax 1 Forklift cabin 1 sensors

Part number 10105

- 1 x display unit, cabin
- 1 x mounting bracket
- 1 x 0—250 bar Hydraulic transmitter
- 1/2" inlet—1,5 m cable
- 1 x 1/2" to 3/8" adapter

Kimax 1 Forklift trailer 1 sensor

Part number 10021

- 1 x display unit, trailer
- 1 x sturdy stainless steel frame
- 1 x 0—250 bar Hydraulic transmitter
- 1/2" inlet—1,5 m cable
- 1 x 1/2" to 3/8" adapter

The scale you take with you ...

Kimax 1, the scale for economical and convenient supervision of load on your forklift.

Using a microprocessor and built-in memory, Kimax 1 calculates the current load on the forks from the current hydraulic pressure in the lift-cylinder and displays this figure as a three-digit value.

The hydraulic pressure sensor is located on the vehicle and connected to the display unit through a cable.

... and warns when limits are exceeded.

Kimax 1 has two separately adjustable alarm values. Alarm value 1 is indicated by a flashing display. Alarm value 2 switches in an internal relay. The relay signal can be used as ON/OFF input for another unit, for example a warning lamp.

Cabin version - for driver's cab

Intended for use in driver's cab: The Kimax 1 display unit is supplied with a mount for simple installation on the dashboard.

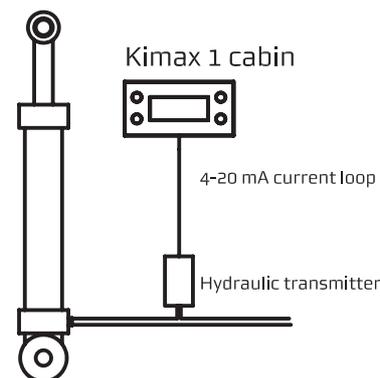
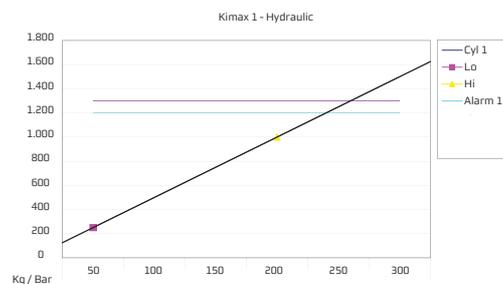
Trailer version - for trailers/semitrailers

Intended for use on trailers and semitrailers: The display unit is designed for mounting in a sturdy, waterproof stainless steel housing.

Axle load measurement

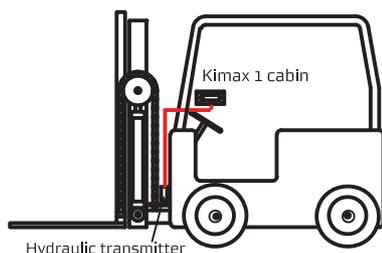
Kimax 1 uses the linear interrelationship of the hydraulic pressure in the lift-cylinder and the load on it.

By using two reference points (empty weight and weight at maximum load) and the currently measured hydraulic pressure, Kimax 1 calculates the current load on the forks with an accuracy of 2 % of the maximum load.



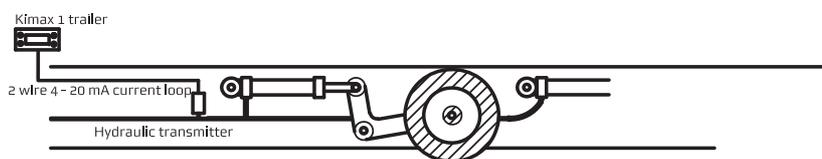
Forklift most economical version

Easy reading your load on the forks directly from your seat.



Heavy load trailer

Typically equipped with a Kimax 1 trailer version, mounted directly outside on the chassis.



Hydraulic circuits

More axles and more sets of wheels are often connected in parallel on the same hydraulic circuit, offering you an arithmetic mean value of hydraulic pressure and the associated load.

Display of reading

KIMAX has a three-digit 7-segment LED display. The decimal points can be set after the first or second digit or removed completely depending on range of your measurements.

Two modes of display can be selected:

- Automatic switch-off of display after approx. 2 minutes reading (recommended in cabins).
- Continuous display (recommended on trailer/semitrailer (factory setting)).

Optional versions:

RS-232 serial output (option 1) Kimax 1 is available with a serial output in RS-232 format, offering you the displayed value in digital format intended for telemetric systems.

Serial printer output (option 4) Kimax 1 is available with output for most common serial printers.

Technical Specifications

Supply voltage	10 ... 30 Volt direct current
Current consumption	max. 90 mA (with relay active)
Relay output	Normally open contact max. 1 A/ 30 VDC
Display	Three-digit 7-segment LED Character height 20,3 mm
Accuracy	2 % of maximum load at 0 °C - +50 °C
Hydraulic connection	1/2" thread + 1/2" to 3/8" adapter
Operating pressure	250 bar standard, Optional ranges are available
Operating temperature	-25 °C...+70 °C
Storage temperature	-40 °C...+70 °C
Cabin version:	Dimensions 100 x 50 x 40 mm
Weight approx.	500 g
Dimensions	175 x 135 x 90 mm
Approval	CE and E1

☐ KIMAX 1

Kimax 1 and Kimax 2 are a series of high quality well proven on-board scales for use on trucks, buses and loading equipment. For detailed product selection guide please go to Kimax.com. Kimax 1 and Kimax 2 are registered trademarks owned by Sense-Tech Weighing Systems.

Sense -Tech Weighing Systems are used all over the world. From the hectic harbours of Amsterdam to the dusty outback of Australia. And everywhere in between.