

# Wheel loader scales designed with your profit in mind!

For all wheel loader types



 **PFREUNDT®**

# The company: Consistent, innovative, user-orientated.

For 25 years PFREUNDT has consistently pursued its ambitious goal of further developing tried and tested technology to make its products even more efficient. This has resulted in a number of innovations and patented solutions that are used in harsh environments worldwide.

Customer orientation at PFREUNDT means meeting the requirements for precision, speed, convenience and longevity without compromise. Solutions from PFREUNDT are tailored to each individual scale application and designed for immediate profit.



## The products: Rugged, standard-setting, efficient.



PFREUNDT weighing systems are intuitive and easy to operate, enabling the driver to concentrate on loading operations – for greater efficiency and safety.

These rugged systems are designed for reliable and precise operation in harsh environments in continuous duty.



The weighing electronics are identical for all wheel loader types in the fleet, so that drivers do not need to change or adapt to any new system.

The modular system design also enables easy upgrading and retrofitting. The weighing unit is designed to grow with individual company requirements. PFREUNDT weighing systems can easily be converted to other vehicle makes and types – the complete scale can be used and easily installed with the appropriate installation kit.

A system that enables you to respond flexibly to the requirements of industry.





# The unique wheel loader scale from PFREUNDT

## All advantages at a glance:

### Time-saving

Dynamic weighing (weighing takes place whilst loading)

Patented pressure sensors with integrated temperature control enable direct use of the scale without warm-up strokes when starting work and after breaks

### Maximum reliability and service

Patented overload protection of sensors at pressures above 500 bar

Patented protection of cables against ageing through environmental influences

## PFREUNDT weighing systems save time and money

### Avoid excess deliveries!

Save time and money annually with the PFREUNDT wheel loader scale. See how you can save!

Quantity sold in tonnes	Excess delivery of		Loss	
	5 %	10 %	5 %	10 %
25 000 t	1 250 t	2 500 t	6.250 €	12.500 €
50 000 t	2 500 t	5 000 t	12.250 €	25.000 €
100 000 t	5 000 t	10 000 t	25.000 €	50.000 €

Basis for calculation: € 5 per tonne

Flexibility: Wherever you load, the scale is at hand.

- Reduce travelling times – no trips to the weighbridge
- No overloading
- No underloading
- Optimise capacities
- Avoid wear through overload
- Avoid fines
- Cost-effective alternative to the weighbridge
- No additional personnel costs

# Advantage through PFREUNDT.

Simple 1-2-3 design:  
Installed in just one day!



1.



**Reliable:**

*Double proximity switch for dynamic weighing in motion.*

*Special patented cable protection prevents damage to cables and dispenses with expensive idle and downtimes.*

2.



**Unique:**

*Oil pressure sensor with overload protection, integrated temperature control and special protective tube system.*

*The unique weighing system with patented sensors is approved by the Office of Weights and Measures for working without time-consuming idle strokes.*

3.



**Safe and convenient:**

*The weighing electronics – the heart of PFREUNDT weighing systems – are always in view.*

*This compact unit is designed not to hinder the free view of the driver. The printer arranged directly at the electronics saves further space.*



## LowCost: WK 33

### Tailor-made for easy weighing

The PFREUNDT WK 33 is a low-cost control scale for weighing applications not subject to calibration.

This weighing system has been designed for optimal loading efficiency – avoiding overloads or underloading capacities – saving additional travelling and money as well as optimising operations overall.



Illustration WK 33



## Basic: WK 50-S

### The low-cost starter model for approved weighing.

Modern weighing electronics for approved weighing with weighing ticket printout and master data memory.

Upgradable to the WK 50 by simply changing the electronics.



Illustration WK 50-S



WK 33	WK 50-S	WK 50	Features:
■	■	■	Dynamic weighing
■	■	■	Static weighing
■	■	■	Easy operation
■	■	■	Addition memory
■	■	■	Daily totals memory
■	■	■	Target weight control
■	■	■	Backweighing (for last load dosing)
■	■	■	Large, clear display
■	■	■	Illuminated display
	■	■	Illuminated keypad
	■	■	Calibratable class (III), Y (b)
	■	■	Master data memory
	■	■	Printer interface
		■	Special programs
		■	Further interfaces (optional)

## Standard: WK 50

The approved scale –  
all features in one unit.

The WK 50 weighing electronics are designed for easy and efficient on-the-spot weighing. The WK 50 features an extensive master data memory and interfaces for the exchange of weighing and master data with your control center. Data exchange can take place per GSM, radio or via memo box – this makes the WK 50 an ideal solution for directly processing weighing data in your computer system.

In addition to the WK 50-S,  
the WK 50 also offers:

- Expanded master data memory
- Interfaces for data transmission per  
Memobox  
GSM modem  
Radio modem
- Connection of identification systems  
(barcode readers)
- Weighing data can be included in  
the materials management system

Ask us about our efficient  
P.O.S. branch software



Illustration WK 50



## Only available from PFREUNDT:

WK 50-S	WK 50	
■	■	Easy, intuitive operation
■	■	Speed-dialling and search word feature for added convenience
■	■	Audible and visual system for target weight loading
■	■	Master data management as an independent solution (without additional computer connection) for customers, trucks, materials, construction sites, drivers
■	■	On-the-spot invoice preparation with complete address and all invoice-relevant data
■	■	Statistical evaluation of weighing data
■	■	Separate weighing of tractor and trailer
■	■	Cubic centimeter calculation
	■	Interfaces for data transfer to your computer system (optional)
	■	Loading according to recipes (optional)
	■	Order placement (optional)

## Well-equipped for the future

The modular design of the WK 50-S and WK 50 enables the use or retrofitting of the printer unit and control electronics for upgrading the WK 50 S to the functions of the WK 50.

## WK 50 Options



*Exchange weighing and master data between the scale and PC per GSM modem or radio.*



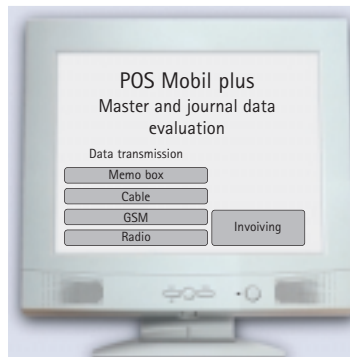
*Also by memo box the data exchange can be carried out.*



*Call up customer data via barcode reader within a matter of seconds.*



*Print weighing tickets – standard type or individually designed, representative weighing cards – with copies on the rugged WK 50 printer.*



## Print delivery notes, invoices or evaluations immediately on site

### PFREUNDT WK 50 printer:

The use of a printer is indispensable wherever invoicing takes place via the scale. With the patented PFREUNDT printer developed specially for use in harsh environments, weighing tickets –



also with copies – can be printed immediately. Individually designed, representative weighing tickets can also be used. The compact printer is directly connected to the weighing unit – a space-saving and work-alleviating feature. The efficient printing principle without ink ribbon is insensitive to dust, heat and moisture and has been used successfully for 25 years. Without having to change paper rolls or ink ribbons, the printer is always ready to use.

**A flatbed or roll printer can be provided on request.**

## PFREUNDT thinks further:



*P.O.S. is an efficient branch software developed specially by PFREUNDT under Windows. P.O.S. enables weighing data to be immediately further processed for scale operation control and in-house management.*



Our challenge


**We weigh  
the world...**

Visit our website or phone us,  
we will be happy to advise you.



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