

## Specification

Type	Weighing range	Division
PFS30K	30 kg	10g
PFS60K	60 kg	20g
Tray size	330x320mm	
Weight	4.1kg / 4.5kg	
Operating Temp.	15-30°C (62-90f)	
Power supply	6 x 1.5V / AA Batteries	
	Power adaptor:100-240VAC 9VDC / 300mA	



## Instruction manual



PESOLA Präzisionswaagen AG  
Chaltenbodenstrasse 4A  
8834 Schindellegi  
Switzerland  
Tel +41 (0)41 769 60 40  
Fax +41 (0)41 769 60 42  
e-mail: [info@pesola.com](mailto:info@pesola.com)  
Internet: [www.pesola.com](http://www.pesola.com)

## All-purpose platform scale

**PFS30K 30kg d=10g**

**PFS60K 60kg d=20g**

## Notes and general information

The scale must be placed on solid and level surface.  
Dirt, dust, moisture and aggressive solvent must be avoided.  
Place the parts to the center of the platform.  
Do not leave the load over a longer period on the platform.  
After big variation in temperature, leave the scale in the ambient temperature for approx. 1 hour for acclimatisation.

### Important:

Do not exceed the maximal weight as specified for this type.  
Use only leakage proof batteries (6 x 1.5V AA).  
If the scale is not used for a long period, remove the batteries.  
If the power supply unit is used, make sure the specifications are according: 100-240VAC / 9 VDC, 100mA

Any warranty claim will not be accepted, if the listed rules are not observed.

## Functions

- \* Automatic power off
- \* Automatic display backlight
- Operating panel detachable
- Big LCD display
- Calibratable
- Hold function
- kg/lb Conversion
- AC power supply or Batteries
- Tray 315 x 325 mm

\*Selectable, note "Setting functional parameters"

## Serial data interface (RS232)

When the [Hold] key is activated, the currently displayed value is sent to the serial data interface (RS232). (Note, „Hold function“)

Instructions and driver utilities are on the attached CD („RS232 Driver & Guide“).

ASC II code receive parameter (RS232 transfer parameter)

Baud Rate: 9600

Parity Bit: none

Data Bit: 8

Stop Bit: 1

## Calibration

### When to calibrate

Calibration may be required because the weight of a mass in one location is not necessarily the same in another location (G-Value). Also with time and use, mechanical deviations may occur.

The according standard weight must be used for calibration.  
(30kg or 60Kg)

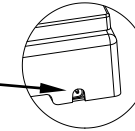
### How to calibrate

- The scale must be switched off.  
Push [Zero/Tare] key and then push [ON/OFF] key.  
(keep the [Zero/Tare] key pushed).  
„CAL“ is displayed, followed by the A/D value.  
(Internal calculation value.)
- If A/D value is stable displayed, push [Unit] key.  
"SAVE0" is displayed followed by the A/D value.
- Place the standard weight (PFS30K -30 kg, PFS60K -60 kg) to the center of the platform.  
Push [Unit] key. "SAVE1" is displayed.  
Calibration is now finished. Remove the standard weight.
- Switch the scale off and on again. Then check the calibration with the standard weight.  
If the displayed value differs from the standard weight, repeat the calibration.

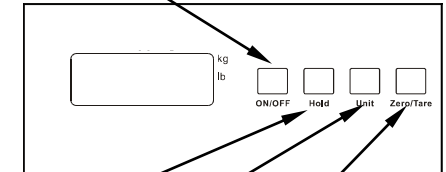
## Operating panel with LCD display

### ▶ Socket 9VDC

Sideward on platform unit



### ON/OFF Key



### Hold Key

Retains the currently displayed value.

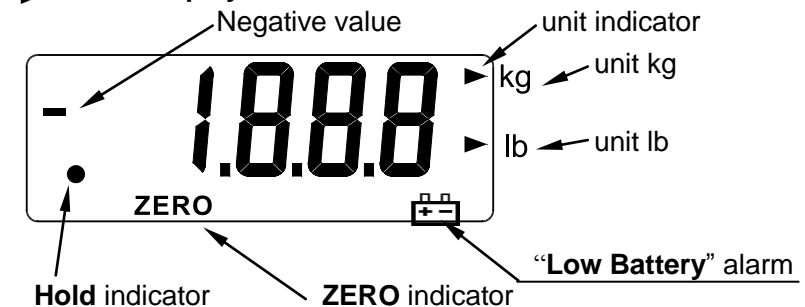
### Unit Key

Select the unit; kg or lb

### Zero/Tare Key

Resets displayed value to "0.000"  
TARE function

### ▶ LCD Display



## Weighing


### Important:

Place scale platform unit on solid and level surface.

Let the scale adapt to the ambient temperature for 10 minutes.

### Error display

EEEE: Over load

: „Low Battery“, replace the batteries.

### Procedures

Switch scale ON: Push[ON/OFF] key.

All segments of the LCD display are activated during the startup procedure.

If „0.00“ is displayed, the scale is ready for operation.

#### 1. Selecting the weighing unit

Push [Unit] key to select the weighing unit (kg, lb,)

The unit can be changed during the weighing. The value will be calculated according the selected unit.

#### 2. Weighing without container

Verify that 0.000 is displayed. If not, push [ZERO] key.

Place the objects to the center of the platform.

The weight is displayed. Important: Note selected unit

#### 3. Weighing with container (Tare)

Place empty container to the center of the platform.

Taste [Zero/Tare] betätigen. Anzeige muss auf „0.00“ stehen.

Place the parts into the container.

The net-weight is displayed. Important: Note selected unit

## Hold Funktion

### Activating the Hold function

Push [Hold] key; ●Symbol is displayed.

The current value is on hold and is sent to the serial data interface.

### Switch off the Hold function

The Hold function is switch off after 120 sec.

Push [Hold] key, to switch off the Hold function.

## Setting functional parameters

#### 1. Activate parameter setting.

Push [ON/OFF] key, to switch the scale off.

Push [Hold] key and then [ON/OFF] key.

A\_ON or A\_OFF is displayed.

#### 2. Automatic switch-off function.

If A\_ON or A\_OFF is displayed, push [Zero/Tare] key to

switch the function on; display: A\_ON

or switch the function off; display: A\_OFF

#### 3. Automatic LCD display backlight function.

If A\_ON or A\_OFF is displayed, push [Hold] key.

Display: L\_ON or L\_OFF.

With the [Zero/Tare] key the autom. backlight is switched on,

display: L\_ON, or switched off, display: L\_OFF

#### 4. Back to weighing function.

Switch the scale off-on. (Key ON/OFF)