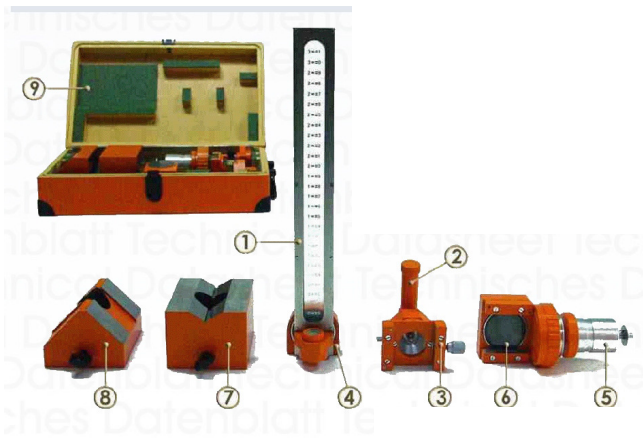


## Industrial Scale Level Kit



- (1) Glass scale
- (2) Illumination device
- (3) Clamping device for illumination
- (4) Magnet base
- (5) Axis
- (6) Adaptor
- (7) Flat base
- (8) Prism
- (9) Case

### Additional Equipment:

- Engineering Level FG-005  
Optimised and suitable for the  
**FPM FG-005 Precision Optical Level**  
First Order Leveling

### Glass Scale

Division length 260 mm

Accuracy 0.02 mm

Pitch between ball and zero point

50 + 0.2mm

### Circular level

Angle value for 2 mm bubble way 8'

### Upright axis

Clamping diameter 34 mm

### Dimensions (mm) / Weight (kg)

Glass Scale 330 x 40 x 40 / 0.6

Illumination Device with clamping

60 x 100 x 80 / 0.3

Magnet base 70 x 50 x 50 / 0.3

Upright axis with adaptor

150 x 80 x 60 / 0.5

Flat base 120 x 80 x 60 / 1.8

Prism base 120 x 80 x 60 / 1.3

The industrial rod equipment is particularly designed for solving tasks in the field of industrial surveys. It is mainly used for determining smaller height differences, for height aligning and controlling heavy machine- and industrial constructions. Depending on the used parallel plate equipment, a glass scale with a precisional graduation of 5mm or 10mm is used. The scales can be illuminated. Various provided mounting feet allow highest flexibility under most diverse measuring conditions, such as mounting the glass scales on surfaces, measuring V-shaped cuts and shafts or axis.



## Industrial Scale Level Kit



### Measurements on even horizontal surfaces

Put the magnet base with glass scale connected to the magnetic surface on the surface to be measured.

Move until the ball of the glass scale is situated above the measuring point.

Move down the glass scale so that the ball sits on the measuring point.

Before carrying out the measurement itself, align the glass scale by means of the circular bubble by tilting.



Screw the adaptor on the axis. Put the glass scale against the magnetic surface so that the ball sits on the surface area of the adaptor.

Clamp the glass scale by means of screw to the right.

Next, set the whole unit into tribrach 60 and set tight. Set up the tribrach with the set in glass scale in center above the measuring point so that the needle point to the measuring point. The glass scale must be vertically aligned (circular bubble) by means of the foot screws before measurement



### Measurements on V-shaped cuts

Mount the prism base for measuring V-shaped cuts. Put the combination: Glass scale - Adaptor - Axis together, set these into the prism base and screw down the clamping screw. The glass scale must be vertically aligned by means of the circular bubble.



### Measurements on shafts

Set the flat base onto the object to be measured, use the combination glass scale - adaptor - axis and set these into the flat base. Screw down the clamping screw. The glass scale must be vertically aligned by means of the circular bubble.



The glass scale can be illuminated under bad light conditions. Put the clamping device for illumination onto the frame of the glass scale, set the illumination device into the holder, click into place and turn it on.