



Precision Level FG-005
Precision Compensated First / Second order Level

When accuracy counts
Engineering Precision Instrument made in Germany

Our high quality precision instruments are used from clients worldwide and emphasize our outstanding reputation as one of the world's technological leading manufacturers of optical precision surveying instruments.



Overview

- Fixed point of levelling
- Extension of first order levelling nets (work)
- Special height measurements in subsidence regions as a result of mining
- Levelling in heavy machine construction, terotechnology Profiling and Tacheometric levelling
- Quick pointing & reading through means of sliding clutch & endless antagonistic spring control (able to be operated from both sides)
- Plane Parallel Micrometer well protected within instrument
- Circular spirit : Effortless to read, true to side and height, close to the ocular Insensitive to shocks

Full specification see next page

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Specifications

Measuring accuracy

Mean square error per
1km double levelling +/- 0,5 mm

Telescope

Image position Erect and true-to-side
Magnification 35 x
Free objective diameter 46 mm
Shortest target distance 0,9 m
Multiplication constant 100

Compensator

Working range +/- 10'
Mean square setting error +/- 0.3"
Setting time < 1 s

Circular level

8'

Circle

Interval of the circle 0,1 gon (10')
Estimatability of reading 0,01 gon (1')

Temperature

Operating range -25°C...+45°C

Micrometer range

Model 0222 5 mm
Model 0122 10 mm

Optical plummet (optional)

Centering accuracy at 1,5m built-in in tripod

Instrument

Dimensions 290 x 130 x 220 mm
Weight without circle 3,9 kg
Weight with circle 4,1 kg

Quick pointing and reading

by means of the sliding clutch and the endless antagonistic spring control, which can be operated from both sides, the FG 005 can be quickly aligned at the Staff a 35-fold telescope magnification and a large and light visual field enable effortless and precise measurements. The telescope magnification can be varied by ocular exchange.

The coarse-fine focusing speeds up the focusing process with simultaneous improvement of the sensitiveness.

The Plane Parallel Micrometer (measuring range 5mm or 10mm) is well protected within the instrument.

Horizontal circle with right- and left-handed numbering

Glass circle well-protected within the Instrument. By means of a circle drive it can be set to any value.

Right-and left running numbering; the numbering not required can be blocked out by a selector ring at the ocular; the respective numbering direction is indicated by arrows.



This high precision Instrument is supplied to order only. Please call or email for further information.

Available Models :

- With or without Horizontal circle / Optical Plummet
- Micrometer range 5 mm or 10 mm

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