

SOKKIA

PD3

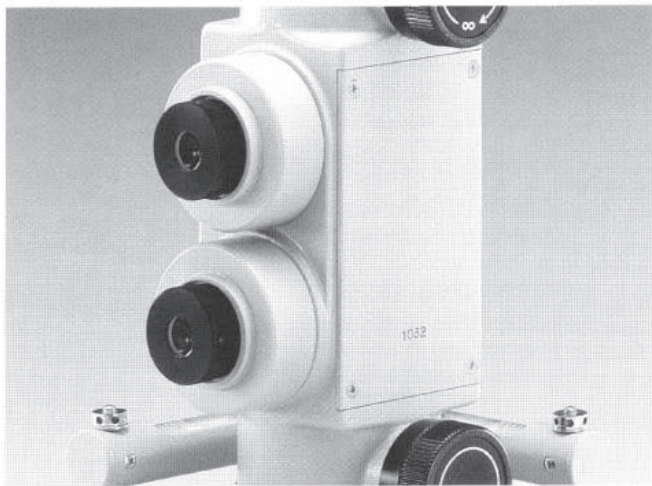
**Optical Perpendicular Detector
Accuracy 1/40,000**



Vital in the field of underground surveying, civil engineering and construction work, whenever it is necessary to determine perpendicularity. The PD3 enables you to establish plummeting alignment with first class accuracy and without fuss.

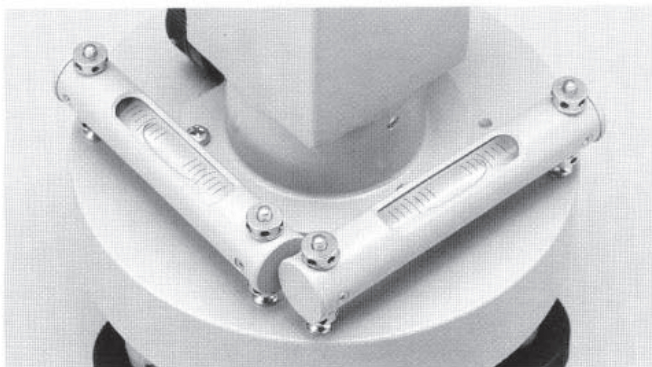
Plummeting telescope

The two telescopes are conveniently positioned one above the other for upward and downward plummeting. The vertical axis of the PD3 and the axes of the telescopes correspond in order to eliminate plummeting errors when rotating the instrument during observation. The telescopes' 20x magnification and 3" resolving power ensure accurate sighting at the target.



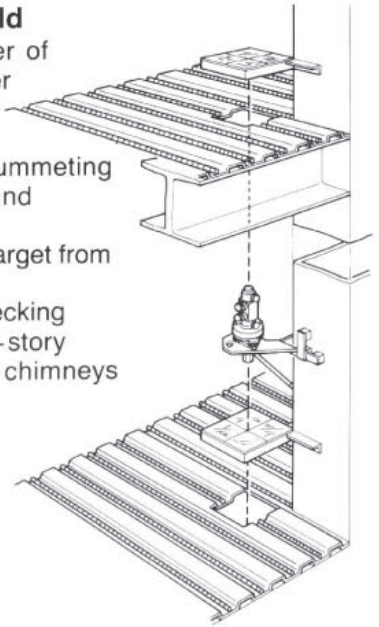
Precision plate levels

The precision plate levels (20"/2 mm) enable the user to ensure perpendicularity of the vertical axis. A pair of plate levels positioned at a right angle are provided in order to level the PD3 quickly with any two of the three levelling screws.



Application in the field

- For plummeting transfer of base point to the upper story of the framework of a building.
- For determination of plummeting alignment in underground surveying.
- For setting up a signal target from a triangulation point.
- For determining and checking perpendicularity in multi-story buildings, iron-towers, chimneys and ship-building.



PD3 Specifications

Telescopes	
Objective aperture	30 mm (1.2 in)
Magnification	20x
Image	Inverted
Resolving power	Upper: 3", Lower: 3.5"
Field of view	1°25' [2.5 m at 100 m]
Minimum focus	Upper: 1.3 m (4.3 ft) Lower: 1.0 m (3.3 ft)
General	
Accuracy of perpendicularity	1/40,000
Sensitivity of levels	Plate levels (X & Y): 20"/2 mm
Standing axis	Single
Size	W133 × D138 × H275 mm (W5.2 × D5.4 × H10.8 in)
Weight	4.0 kg (8.8 lbs)
Base screw	φ35 mm

Use a tripod with 35 mm head screw diameter. (e.g. PFA2)

PD3 Perpendicular Detector comes complete with:

Main unit, Lens cap, Vinyl cover, Tool kit, Operator's manual, and Carrying case.

Designs and specifications are subject to change without notice.

SOKKIA CO.,LTD.

ISO9001 Certified (JQA-0557)

<http://www.sokkia.co.jp/english/>

INTERNATIONAL SALES DEPARTMENT

260-63 HASE, ATSUGI, KANAGAWA, 243-0036 JAPAN

PHONE +81-46-248-7984 FAX +81-46-247-1731