

**NEW**

Wild ZL Automatic Zenith Plummet  
Wild NL Automatic Nadir Plummet

for precise plumbing



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# Wild ZL and NL Optical Plummets

Define the plumb line, precisely and automatically.  
For construction, industry, mining and surveying.



Wild NL Automatic Nadir Plummet, with tribrach GDF 11 and tripod GST 20-7



Optical plummet in the container

## Features

- Automatic setting of the line of sight in two vertical planes.
- Rugged construction.
- Easy to use.
- Stable three-footscrew base.
- Powerful telescope.
- Bright, high-contrast, erect image.
- Detachable tribrach for forced-centring.
- Interchangeable eyepieces.
- Convert to laser plummets with the Wild GLO 2 Laser Eyepiece.

The Wild ZL Automatic Zenith Plummet and the Wild NL Automatic Nadir Plummet are two separate instruments of similar design. Their high accuracy and rugged construction stem directly from Wild Heerbrugg's years of experience in manufacturing automatic levels.

Two pendulum compensators acting at right angles to each other are the unique feature of these instruments. They automatically define two vertical planes, the intersection of which is the plumb line. For most plumbing applications, it is sufficient to take a single sight with the centre of the cross hairs. And for work of the highest accuracy, or to check an instrument, one simply observes in two positions 180° apart.

To take full advantage of the high setting accuracy of the compensators, both plummets have a powerful telescope giving a bright, high-contrast, erect image. In order not to reduce the effective aperture of the NL Nadir Plummet, this instrument is used with the special tribrach GDF 11 and the tripod GST 20-7, the fixing screw of which has an extra-wide opening.

Both instruments have detachable eyepieces. The standard eyepiece gives 24× telescope magnification; optional eyepieces for 28× and 17× are available. In confined spaces, the optional diagonal eyepiece can be used for observing from above, below, or from the side.

The Wild GLO 2 Laser Eyepiece fits both instruments, transforming them instantly into Zenith and Nadir Laser Plummets.

Wild workshops can convert a customer's Zenith Plummet into a Nadir Plummet, or a Nadir into a Zenith Plummet at any time.

By fitting an extra-wide fixing screw, a GST 20 tripod can be converted to GST 20-7 for use with the NL.

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Wild Heerbrugg Ltd., CH-9435 Heerbrugg, Switzerland  
Precision Engineering, Optics and Electronics  
Telephone (071) 703131  
Cables: Wico Heerbrugg / Telex 77191

## Technical Data

Standard deviation of a plumbing comprising two observations 180° apart	±0.0015 ft at 300 ft	±1:200 000 ±0.5 mm at 100 m
Telescope		erect image
Magnification		24×
Clear objective aperture ZL	1.42 in	36 mm
NL	1.18 in	30 mm
Field of view at 100 ft/100 m	3.2 ft	3.2 m
Shortest focussing distance	3.0 ft	0.9 m
Two compensators, at 90° to each other		
Working range of each		±10'
Setting accuracy of each		±0.3"
Circular level, sensitivity per 2 mm run		4'

## Equipment

Stock No.	Standard Equipment	lb	kg
376275	Wild NL Automatic Nadir Plummet, with tribrach GDF 11, in container	6.6	3.0
365390	Tripod GST 20-7, with telescopic legs, with extra-wide fixing screw, for NL plummet with tribrach GDF 11 Tripod accessories: cover for tripod head, pouch with hexagonal key	14.3	6.5
352398	Wild ZL Automatic Zenith Plummet, with tribrach GDF 10 (without optical plummet), in container	6.8	3.1
352399	Wild ZL Automatic Zenith Plummet, with tribrach GDF 6 (with optical plummet), in container	4.8	2.2
296632	Tripod GST 20, with telescopic legs, for ZL plummet with tribrach GDF 10 or GDF 6. Tripod accessories: cover for tripod head, pouch with plumb bob and hexagonal key	14.3	6.5

### Optional Accessories

352249	Conversion Kit, for converting tripod GST 20 to GST 20-7
363880	Diagonal Eyepiece
351093	Telescope Roof Plummet, for centring NL under a point
195900	Eyepiece FOK 77, for 28× magnification
366573	Eyepiece FOK 117, for 17× magnification
	Laser Eyepiece GLO 2, see brochure G 1 406e