

## Ni 50, Ni 40, Ni 30 Automatic Levels

*Rising to new heights of excellence; Automatic levels for routine to precision work.*

### Key features and benefits

- Easy-to-use
- Precise
- Reliable
- Durable
- Shock-dust- and weatherproof

For more than 40 years, automatic levels from Carl Zeiss Geodetic Systems—now part of Trimble, have been a guarantee of fast yet precise and reliable height measurement.

Distinctive in their design, these instruments offer a high level of reliability and accuracy—even in extreme weather conditions and with severe mechanical punishment. This makes them particularly suitable not only for tough use on building sites, but also for engineering surveys.

The convenient arrangement of the controls ensures superb ease of operation.

### What all our levels have in common:

- The gas-filled telescope gives better protection against extreme external influences.
- The adjustable, graduated circle is dust proof.
- All our levels are equipped with rugged, reliable compensator for automatic levelling of the line of sight.
- The controls are conveniently arranged and designed.
- Continuous slow-motion controls on either side offer easy operation and accurate sighting.
- The sighting collimator gives fast and accurate targeting.
- The bubble level in the sighting direction—with a large field of view—gives unreversed viewing.
- Base plate permits use of both flat- and dome-headed tripods.
- All levels have integrated sun shield.



*Automatic levels from Trimble for precise and reliable height measurement*

# Ni50, Ni40, Ni30 Automatic Levels

*Automatic levels for fast and precise routine to precision work.*



TECHNICAL SPECIFICATIONS	Ni <sup>30</sup>	Ni <sup>40</sup>	Ni <sup>50</sup>
<b>Accuracy</b>			
Mean error on 1 km (0.6 miles) of double levelling:	± 1.0 mm (± 0.003 ft)	± 2.0 mm (± 0.007 ft)	± 3.0 mm (± 0.01 ft)
<b>Telescope</b>			
Magnification:	32x	25x	20x
Aperture:	45 mm (1.48 ft)	35 mm (1.15ft)	25 mm (0.82 ft)
Telescope image:	erect	erect	erect
Field of view at 100m (328 ft):	2.3 m (7.54 ft)	2.5 m (8.2 ft)	3.2 m (10.5 ft)
Shortest focussing distance:	0.5 m (1.64 ft)	0.5 m (1.64 ft)	0.9 m (2.95 ft)
Stadia constant:	100	100	100
<b>Compensator</b>			
Working range:	± 15' (0.28 gon)	± 15' (0.28 gon)	± 15' (0.28 gon)
Repetition accuracy:	± 0.5" (0.15 mgon)	± 0.5" (0.15 mgon)	± 0.5" (0.15 mgon)
<b>Horizontal circle</b>			
Graduation:	400 grads/360°	400 grads/360°	400 grads/360°
Interval:	1 grad/1°	1 grad/1°	1 grad/1°
Estimation:	0.1 grad/0.1°	0.1 grad/0.1°	0.1 grad/0.1°

GENERAL			
Sensitivity of circular level:	15'/2 mm	15'/2 mm	15'/2 mm
Estimation of mm on rods with cm graduation up to approx.:	120 m	100 m	80 m
Horizontal slow motion:	continuous	continuous	continuous
Dimensions (WxLxH):	145 x 250 x 160 mm (0.47 x 0.82 x 0.52 ft)	135 x 220 x 150 mm (0.44 x 0.72 x 0.49 ft)	135 x 190 x 145 mm (0.44 x 0.6 x 0.47 ft)
Weight of instrument:	2.2 kg (4.9 lbs)	1.9 kg (4.2 lbs)	1.8 kg (4 lbs)
Weight of case:	1.5 kg (3.3 lbs)	1.5 kg (3.3 lbs)	1.5 kg (3.3 lbs)

## ORDERING INFORMATION

For further information please contact your nearest Trimble Authorized Distributor or Trimble Office.

You may also visit our website at <http://www.trimble.com>



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