

FN 24 / FN 32 Automatic Level



- » Practical high performance combined with a modern design – the new auto levels FN 24 and FN 32.

Automatic Levels suitable for all construction sites for levelling and alignment.

TECHNICAL DATA	FN 24	FN 32	FEATURES
ART-NO. 400 GON	220424	220432	<ul style="list-style-type: none"> · Metal housing · Bubble reading mirror · Target device (Optical sight) for quick alignment to a target or levelling staff · Modern design · Dust / water protection IP 54
ART-NO. 360°	220324	220332	
Mean error for 1 km double levelling	± 2 mm	± 1 mm	
Telescope magnification	24 x	32 x	
Objective diameter	35 mm	35 mm	
Shortest focusing distance	0.3 m	0.3 m	
Working range of compensator	± 12'	± 12'	
Levelling accuracy	± 0,5"	± 0,5"	
Circular bubble	8' / 2 mm	8' / 2 mm	
Horizontal circle	400 gon / 360°	400 gon / 360°	
Dust / water protection	IP 54	IP 54	
Weight (instrument only)	1.2 kg	1.2 kg	

FAL Automatic Level



- » Rugged design for site use. Precision optics in a metal housing and a large range to suit all applications. Also available as set with tripod and levelling staff.

TECHNICAL DATA	FAL 24	FAL 32	FEATURES
ART-NO. 400 GON	234400	232400	<ul style="list-style-type: none"> · Metal housing · Mirror for easy reading of bubble · Suitable for both flat and domed head tripods
ART-NO. 360°	234360	232360	
Mean error for 1 km double levelling	2.0 mm	1.0 mm	
Telescope magnification	24 x	32 x	
Objective diameter	38 mm	38 mm	
Shortest focusing distance	0.3 m	0.3 m	
Working range of compensator	± 15'	± 15'	
Levelling accuracy	± 0.5"	± 0.5"	
Circular bubble	8' / 2 mm	8' / 2 mm	
Horizontal circle	400 gon / 360°	400 gon / 360°	
Dust / water protection	IP 54	IP 54	
Weight	1.5 kg	1.5 kg	



FLP 100 Laser Zenith Plummet

» A precise laser plummet incorporating a coaxial telescope for both laser and optical observations.

TECHNICAL DATA	FLP 100	FEATURES	SUPPLIED WITH
			ART-NO. 310000
Magnification	26 x	<ul style="list-style-type: none"> · Easy to use with two laser plummets (up and down) · Laser dot visible up to ≥ 120 m · High accuracy for precision work 	<ul style="list-style-type: none"> · Set of alkaline batteries · Target plate · Container
Clear objective aperture	36 mm		
Shortest focusing distance	0.4 m		
Laser Pointer			
Laser class / Wave length	2M / 635 nm		
Spot size \varnothing	3 mm / 80 m		
Max. visible distance (day)	≥ 120 m		
Max. visible distance (night)	≥ 250 m		
Deviation to optical axis	$\leq 3''$		
Accuracy	$\pm 2,5$ mm / 100 m		
Optical plummet			
Laser class / Wave length	1 / 650 nm		
Accuracy	± 1 mm / 1,5 m		
Plate level	20" / 2 mm		
Power supply	2 x AA Alkaline		
Temperature range	-10 °C – +50 °C		
Dust / water protection	IP 54		
Weight	2.8 kg		

FEN 132 Engineers' Automatic Level



» A high quality engineers' automatic level with the most robust compensator available on the market. Brilliant optical system for clear view at all conditions.

1 By mirroring an index mark into the eyepiece (swing position of the compensator) measurements can be carried out with high accuracy

2 Extremely robust compensator

TECHNICAL DATA	FEN 132	FEATURES	SUPPLIED WITH
			ART-NO. 210233
Magnification	32 x	<ul style="list-style-type: none"> · Robust and temperature insensitive · Highly accurate and free moving vertical axis · Separate horizontal clamp · Accurate tangent screw movement and focusing drive without backlash · Optical sighting device · Excellent image quality · Service-friendly due to simple construction 	<ul style="list-style-type: none"> · Container · Adjustment pin · Screw driver · Dust brush · Plumb bob
Clear objective aperture	45 mm		
Field of view	1°		
Shortest focusing distance	2 m		
Mean error per 1 km double levelling using index mark	< 1 mm		
Without using index mark	± 2 mm		
Multiplication constant	100		
Working range of compensator	$\pm 15'$		
Levelling accuracy compensator	2"		
Circular bubble	8' / 2 mm		
Horizontal circle	360°		
Dust / water protection	IP 54		
Weight	3.4 kg		
Dimensions	280 x 160 x 140 mm		
Temperature range	-25 °C – +50 °C		

