

Automatic Level Easy-to-use Optical Auto-levels



Air dampened model shown

Key Features and Benefits

- Choice of magnetic or air dampened automatic compensators
- Double-sided, continuous horizontal tangent drives
- Stadia lines for simple distance measurement
- Convenient horizontal angle measurement
- Built in bubble mirror and sighting guide
- Metal housing for increased durability
- Water resistant construction
- Includes hardshell case
- Two-person leveling across the job site
- Leveling forms and footers
- Checking elevation
- Measuring cut and fill

AL20M

Part No.	Power/Damp	Tripod	Rod
AL20M	20X / Magnetic	No	No
AL20M-1	20X / Magnetic	5301-27-BLK-SP	GR151
AL20M-2	20X / Magnetic	5301-27-BLK-SP	GR152
AL20M-3	20X / Magnetic	5301-27-BLK-SP	GR153

AL28M

Part No.	Power/Damp	Tripod	Rod
AL28M	28X / Magnetic	No	No
AL28M-1	28X / Magnetic	5301-27-BLK-SP	GR151
AL28M-2	28X / Magnetic	5301-27-BLK-SP	GR152
AL28M-3	28X / Magnetic	5301-27-BLK-SP	GR153

AL24A, AL24M

Part No.	Power/Damp	Tripod	Rod
AL24A	24X / Air	No	No
AL24M	24X / Magnetic	No	No
AL24A-1	24X / Air	5301-27-BLK-SP	GR151
AL24M-1	24X / Magnetic	5301-27-BLK-SP	GR151
AL24A-2	24X / Air	5301-27-BLK-SP	GR152
AL24M-2	24X / Magnetic	5301-27-BLK-SP	GR152
AL24A-3	24X / Air	5301-27-BLK-SP	GR153
AL24M-3	24X / Magnetic	5301-27-BLK-SP	GR153

AL32A

Part No.	Power/Damp	Tripod	Rod
AL32A	32X / Air	No	No



SPECIFICATIONS

Automatic Levels					
	AL20M	AL24A	AL24M	AL28M	AL32A
Magnification	20x	24x		28x	32x
Accuracy	±2.5 mm*	±2.0 mm*		±1.5 mm*	±1.0 mm*
Aperture	30 mm			36 mm	
Shortest focus	0.6 m				
Compensator dampening	Magnetic	Air	Magnetic		Air
Warranty	2 Year instant exchange				

*Note: Standard deviation according to DIN 18723 on one kilometer of double leveling

DET-2											
Telescope		Optical Plummet		Angle Measuring System		Vials		Button Functions		Other Specs	
Image	Erect	Image	Erect	Minimum reading	1" or 5"	Tubular	30"/2 mm	ON / OFF	Power	Dust/Water	IP-54
Mag.	30X	Mag.	3X	Precision	2"	Circular	8/2 mm	R	Backlight / Illumination on / off	Operating temperature	-20°C to +50°C
Aperture	45 mm	Angle of view	5°	Units	Deg / mil / gon / V%			HOLD	Angle hold	Size - instrument	164 x 154 x 340 mm
Focus distance	1.45 m to ∞	Focusing range	0.5 m ~ ∞	Display	Dual, Large Character LCD tilt sensor			R/L	Clockwise / Counterclockwise measurement	Weight - instrument	4.5 kg
Field of view	1° 30'	Reticle type	Crosshair	Auto compensation	User Set On / Off ±3' Range			OSET	Zero reset of horizontal angle	Warranty	2 Year
Stadia Ratio / constant	100 / 0							V%	Convert vertical degrees to %		

QM Series Quick Measure Lasers			
Specification	QM10	QM20	QM55
Range	30 m (100 ft)	50 m (165 ft)	
Accuracy	± 2.0 mm (± 1/12 in)		± 1.5 mm (± 1/16 in)
Units of measure	m, ft, in, ft-in		
Automatic shut off	10 minutes		3 minutes
Battery life	5000+ measures		
Power supply	2 x AAA 1.5V		
Drop performance	NA		1.5 m (5 ft)
Dust & Water resistance	IP40		IP54
Laser type / power	620-690nm visible red / < 1 mW		635nm visible red / < 1 mW
Dimensions	43 x 24 x 110 mm (1.7 x 0.9 x 4.3 in)	48 x 24 x 116 mm (1.9 x 0.9 x 4.6 in)	52 x 28 x 125 mm (2.0 x 1.1 x 4.9 in)
Weight with batteries	74 g (2.6 oz)	79 g (2.8 oz)	180 g (6.3 oz)
Weight with batteries	1 Year		3 Years



Vectors Colorado - (303) 283-0343
 10670 East Bethany Drive, Bldg 4
 Aurora, CO 80014

Vectors New Mexico - (505) 821-3044
 5640 Venice Avenue, Unit J
 Albuquerque, NM 87113