

ALPHA GEO DEL-2B LASER

Electronic Digital Theodolite



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Optical Features

Image Type	Erect
Magnification	30x
Objective Aperture	47 mm
Resolving Power	3.75"
Field of View	1°30'

Measurement Capabilities

Measuring Method	Absolute incremental photoelectric detection
Circle Diameter	79 mm
Minimum Display Reading	1", 5", 10"
Measuring Units	360°, 400g
Angular Accuracy Options	2", 5", 10"
Measuring Method	1°30'

Laser Components

Laser Type	Red visible laser
Laser Classification	Class II
Wavelength	635 nm
Power Output	10 mW
Range (Daytime)	>150 m
Position Accuracy	±5 mm / 100 m
Laser Spot Size	<5"

Leveling and Compensation

Plate Vial	30" / 2 mm
Compensation System	Liquid-electric vertical compensation
Compensation Range	±3'
Compensation Precision	6"

Display & Power

Display Type	Dual-face LCD
Battery	Rechargeable Li-ion, 7.4V / 1600 mAh
Working Time	~20 hours

Interface & Environment

Data Output Voltage	DC 3.3V
Operating Temp (Laser)	10°C to +45°C
Storage Temp	-20°C to +50°C