

5660-2 - (2 sec) Laser Theodolite

The #5660-2 Electronic Laser Theodolite adopts the photoelectric incremental angle measuring system. The instrument integrates laser, mechanical, electronic and computer technologies all in one, providing a variety of functions including angle measurement, display and storage. The #5660-2 can also display horizontal and vertical angles and realize conversion from vertical angle to gradient and compensation of vertical angle. The precision of angle measurement is 2".



Built-in laser



LCD Display



IP6

Features:

Built in laser

Two LCD Display

Ingress Protection Rating IP6

Image Erect

Magnification 30×

Clear Objective aperture 45mm

Angle of field of view 1°30'

Shortest stadia 1.35m

Accuracy of measuring angle 2"

Angle unit DEG or GON

Operating time: 36H (without laser)

Contact Us

Singapore Sales & Service Representative

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Data Sheet

Telescopic	Image	Erect
	Magnification	30x
	Clear Objective aperture	45mm
	Angle of field of view	1°30'
	Shortest stadia	1.35m
	Stadia multiplying constant	100
	Stadia additive constant	0
	Resolving power	3"
Measure angle system	Method of measuring angle	Absolute encoder
	Minimum reading	1"
	Method of detecting	H:two sides V:one side
	Accuracy of measuring angle	2"
	Angle unit	DEG or GON
	Display	LCD two sides
Compensator	Tilt sensor	plumb compensation automatically
	Range of compensator	±3'
Laser plummet	Laser power	1mW
	Facular diameter	≈2mm
	Alignment accuracy	1.5mm (1.5m height of theodolite)
Bubble	Accuracy of plate bubble	30"/2mm
	Accuracy of circular bubble	8"/2mm
Laser pipe	Wavelength	635nm
	Power	5mW
	Largest measuring distance	180m(under sunshade daytime)
	Central facular diameter	≈3mm/00m
	Non-coaxial error between laser axis and collimation axis	≈10"
Power Supply	Battery	Dry battery or charged nickel-hydrogen battery
	Power Voltage	4.8V
	Continuous operating time	36h(without laser)



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