

GPT-3000LW Series

Long Range Reflectorless Total Stations



**Long-distance, reflectorless
pulse total station**

- 4,000 FT (1200M) REFLECTORLESS RANGE
- POWER TO ACCURATELY MEASURE ALMOST ANY SURFACE WITHIN 1,150 FT (350M)
- ADVANCED EDM PINPOINT ACCURACY FOR EXTREME MEASURES
- DUAL LASER OPTICS
- VISIBLE LASER POINTER
- BLUETOOTH® WIRELESS TECHNOLOGY



Long Range Measurements

With its revolutionary 4,000 ft. (1200m) reflectorless range the GPT-3000LW sets a new standard for EDM range, delivering the power for difficult shots that others just can't measure up to! The Topcon GPT-3000LW Series measures nearly four times farther than other competitive total stations, once again demonstrating the technology advantages that Topcon offers.



Measure Almost Any Surface within 1,150 ft. (350m)

The ability of the GPT-3000LW to measure long range is significant, but the real advantage of this technology is what this increased measurement power means at shorter distances. The Topcon GPT-3000LW outperforms all other reflectorless total stations when measuring to difficult targets such as hanging wires or dark asphalt.

Dual Laser Optics

Topcon's GPT-3000LW uses a dual laser optics system, one narrow beam for non-prism functions, and a broader beam when using a prism. This stabilizes the beam over long distances providing accurate measurement, even in adverse atmospheric conditions such as heat shimmer.

Visible Laser Pointer

The GPT-3000LW uses Topcon's state-of-the-art visible diode technology as a laser pointer. It puts a bright, flashing spot of light exactly at the point to be measured. No more guessing what your measuring or what you've measured. What you point at is what you'll measure. And our Class 1 laser is so safe for measurement, you can use it in heavy traffic areas.



Unique "Pulse" Technology

A pulse beam emits timed flashes of laser light. This allows the laser to discern objects that may be close to the path of the point you are shooting. Now, reliably shooting building corners, or objects through a chain link fence, is as easy as point and measure.



Bluetooth® Wireless Technology On-board

The GPT-3000LW Series provides cable-free, wireless operation. When used with a Bluetooth® wireless technology capable field controller, you can connect wirelessly to the GPT-3000LW. No more cables to lose or break!



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Specifications subject to change without notice

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Specifications

MODEL	3002LW	3003LW	3005LW
ANGLE MEASUREMENT			
Angle Accuracy	2"	3"	5"
Angle Reading	1"/5"	1"/5"	1"/5"
Method	Absolute Reading		
Compensation	Dual	Dual	Dual
TELESCOPE			
Length	5.9 in. (150mm)		
Objective Diameter	1.77 in. (EDM 1.97 in.) (45mm (EDM 50mm))		
Magnification	30x		
Image	Erect		
Field of View	1° 30'		
Min. Focus Distance	4.29 ft. (1.3m)		
DISTANCE MEASUREMENT			
Prism Mode			
Measurement Range (1 prism)	9,842 ft. (3,000m)		
Measurement Accuracy	±(3mm + 2ppm x D)		
Measurement Time			
	Fine:	1.2 sec. (Initial 3 sec.)	
	Coarse:	0.5 sec. (Initial 2.5 sec.)	
	Tracking:	0.3 sec. (Initial 2.5 sec.)	
Non-prism Normal Mode			
Measurement Range (Kodak White)	5 ft. - 820 ft. (1.5m - 250m)		
Measurement Accuracy	0.2mm mode:	82 ft. (25m): ±(5mm)	
	1mm mode:	5 ft. ~ 82 ft. (1.5m ~ 25m): ±(10mm)	
Measurement Time			
	Fine:	1.2 sec. (Initial 3 sec.)	
	Coarse:	0.5 sec. (Initial 2.5 sec.)	
	Tracking:	0.3 sec. (Initial 2.5 sec.)	
Non-prism Long Mode			
Measurement Range (Kodak White)	16.4 ft. - 4,000 ft. (5m - 1,200m)		
Measurement Accuracy	±(10mm + 10ppm x D)		
Measurement Time			
	Fine:	1.5 ~ 6 sec. (Initial 6 ~ 8 sec.)	
	Coarse:	1 ~ 3 sec. (Initial 6 ~ 8 sec.)	
	Tracking:	0.4 sec. (Initial 4 ~ 7 sec.)	
DISPLAY			
Screen Type	Graphics LCD 160 x 64 Dots with backlight		
Display Unit	Dual	Dual	Dual
POWER SPECIFICATIONS			
Operating Time - Single Battery			
Including EDM Measurement	3.3 hours		
Angle Measurement only	25 hours		
Recharge Time	1.8 hours		
Battery Type	NiMH		
PHYSICAL SPECIFICATIONS			
Wireless Connection	Bluetooth® wireless technology		
Point Guide	Yes		
Laser Plummet / Laser Pointer	Yes		
Weight (w/battery)	11.6 lbs.		
Waterproof Protection	IP66		
Temperature Range	-4°F to +122°F (-20°C to +50°C)		

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