

# TOPCON'S WORLD CLASS TRAINING AND SERVICE

Get the most out of your new instrument...



To assist you in getting the most out of your new instrument, Topcon and your local Topcon dealer offer exclusive product training. At the dealer's facility or your jobsite, Topcon certified training professionals have years of hands-on knowledge. And they are available to train your operators on all of the time-saving features and applications that Topcon can offer.

...and to keep your instrument running at peak performance!



To assure that your Topcon instrument maintains peak performance, your local Topcon dealer offers factory-trained and certified service technicians. And just in case service assistance isn't available in your area, our factory offers a repair and return service policy that is second to none.

**TOPCON**  
www.topcon.com

7400 National Dr.  
Livermore, CA 94551  
Phone: (925) 245-8300

Specifications subject to change without notice  
©2005 Topcon Corporation All rights reserved.  
P/N: 7010-0721 Rev. A Printed in U.S.A. 05/05

## Specifications

MODELS	3002LW	3003LW	3005LW
<b>ANGLE MEASUREMENT</b>			
Angle Accuracy	2"	3"	5"
Angle Reading	1"/5"	1"/5"	1"/5"
Method		Absolute Reading	
Compensation	Dual	Dual	Dual
<b>TELESCOPE</b>			
Length		150mm	
Objective Diameter		45mm (EDM 50mm)	
Magnification		30x	
Image		Erect	
Field of View		1° 30'	
Min. Focus Distance		1.3m (4.29 ft)	
<b>DISTANCE MEASUREMENT</b>			
<b>PRISM MODE:</b>			
Measurement Range (1 prism)		3,000m (9,842ft)	
Measurement Accuracy		±(3mm + 2ppm x D)	
Measurement time	Fine	1.2 Sec (Init 3 sec.)	
	Coarse	0.5 Sec (Init 2.5 sec.)	
	Tracking	0.3 Sec (Init 2.5 sec.)	
<b>NON-PRISM MODE:</b>			
Measurement Range (Kodak White)		1.5m - 250m (5ft - 820ft)	
Measurement Accuracy	0.2mm mode	25m (82ft): ±(5mm)	
	1mm mode	1.5 ~ 25m (5~82ft): ±(10mm)	
Measurement time	Fine	1.2 Sec (Init 3 sec.)	
	Coarse	0.5 Sec (Init 2.5 sec.)	
	Tracking	0.3 Sec (Init 2.5 sec.)	
<b>NON-PRISM LONG MODE:</b>			
Measurement Range (Kodak White)		5m - 1,200m (16.4ft - 3,937ft)	
Measurement Accuracy		±(10mm + 10ppm x D)	
Measurement time	Fine	1.5 ~ 6 Sec (Init 6 ~ 8 sec.)	
	Coarse	1 ~ 3 Sec (Init 6 ~ 8 sec.)	
	Tracking	0.4 Sec (Init 4 ~ 7 sec.)	
<b>DISPLAY</b>			
Screen Type		Graphics LCD 160x64 Dots with backlight	
Display Unit	Dual	Dual	Dual
<b>POWER SPECIFICATIONS</b>			
<b>OPERATING TIME – SINGLE BATTERY</b>			
Including EDM measurement		3.3 Hours	
Angle measurement only		25 hours	
Recharge Time		1.8 Hours	
Battery Type		NiMH	
<b>PHYSICAL SPECIFICATIONS</b>			
Wireless Connection		Yes, Bluetooth	
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)	

Your local TOPCON dealer is:

**GPT-3000LW SERIES**

**TOPCON®**



# GPT-3000LW

Long Range Reflectorless Total Stations

Patents issued: 60343, 60344, 60345

**World's First  
long-distance,  
reflectorless  
pulse total station**



ISO 9001:2000  
FM 68448



Topcon is pleased to announce a powerful new addition to the GPT-3000 family...the GPT-3000LW! With its revolutionary 1200m reflectorless range the 3000LW sets a new standard for EDM range, delivering the power for difficult shots that others just can't measure up to!

# GPT-3000LW SERIES

## Extreme Reflectorless

- Longest reflectorless range in the industry — 1200m!
- Power to accurately measure ANY surface within 350m — regardless of color or angle
- Advanced pulsed-laser provides pinpoint accuracy for extreme measures — power lines, corners, through chainlink fences
- Exclusive dual-optics design provides maximum precision with and without a reflector
- Uses the safest Class 1 laser technology for accurate distances, even in heavy traffic or pedestrian areas
- Bluetooth wireless data collection with Topcon FC-100 or FC-2000



## Visible laser pointer

- State-of-the-art visible diode technology
- Bright, flashing spot of light exactly at the point to be measured
- A Class 1 laser is so safe for measurement, use it in heavy traffic areas



## Unique "Pulse" technology

- A pulse beam emits timed flashes of laser light
- Allows the laser to discern objects that may be close to the path of the point you are shooting
- Ability to reliably measure to building corners or an object through a chain link fence is as easy as point and measure



## Bluetooth® Communication

- Cable-free, wireless operation makes your work easier than ever
- Connect wirelessly to the GPT-3000LW with a Bluetooth® wireless technology capable field controller
- No more cables to lose or break

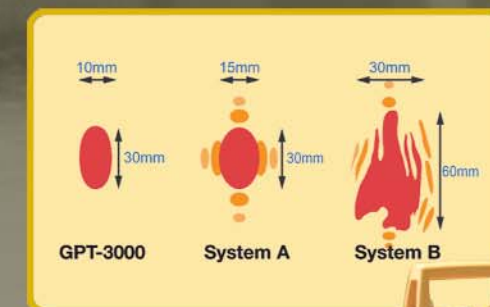
## Long range measurements

Topcon's "pulse" technology makes it easy to reliably measure accurately up to 1200 meters reflectorless where others can't! The new Topcon 3000LW series measures nearly four times farther than any other competitive total station, once again demonstrating the technology advantages that Topcon offers.



## Measure ANY surface within 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.



**GPT-7000i Series**  
Windows CE® Reflectorless Imaging Total Stations



**FC-100**  
Compact Windows CE® Field Controller



**GTS-820 Series**  
Auto-Targeting/Auto Tracking Robotic Total Stations



**GTS-230W Series**  
Wireless, Electronic Total Stations