

## The Leader in Positioning Technology...

Topcon offers positioning products that deliver unparalleled site-wide performance and integration. Topcon's history of technological advances and our reputation for superior reliability means there's no other company positioned to provide you with a better "Total Positioning Solution."

From survey to inspection Topcon provides the innovative technology that gives surveyors, civil engineers, contractors, equipment owners, and operators the competitive edge by addressing such critical issues as increasing profits, quality craftsmanship, improving productivity, lowering operating costs, and enhancing job site safety.

Full positioning integration field-to-finish: That's the goal of Topcon. When it's time for you to step up to the next level, it's time to turn to Topcon.

## The Leader in Customer Satisfaction...

To ensure that your Topcon laser maintains peak performance, your local Topcon dealer offers factory trained and certified service technicians. If service isn't available in your area, our factory offers a repair and return policy second to none.

### Specifications

	9001A/901A	9003A/903A	9005A/905A
<b>ANGLE MEASUREMENT</b>			
Method	Absolute Reading		
Horizontal	2 sides		
Vertical	2 sides		
Minimum Reading	0.5"/1" (0.1/0.5mgon)	1" / 5" (0.2/1mgon)	1" / 5" (0.2/1mgon)
Accuracy	1" (0.3mgon)	3" (1mgon)	5" (1.5mgon)
Tilt Correction	Dual Axis		
Compensating Range	±6'		
<b>DISTANCE MEASUREMENT</b>			
Prism Mode			
1 prism	3,000m		
3 prism	4,000m		
9 prism	5,000m		
Accuracy			
Fine 0.2mm / 1mm	±(2mm+2ppmxD*) m.s.e.		
Coarse 1mm	±(7mm+2ppmxD*) m.s.e.		
Coarse 10mm	±(10mm+2ppmxD*) m.s.e.		
Non-Prism Mode ( <i>GPT-9000A Series only</i> )	1.5m - 250m		
NP Accuracy			
Fine 0.2mm / 1mm	±(5mm) m.s.e.		
Coarse 1mm / 10mm	±(10mm) m.s.e.		
Non-Prism Long Mode ( <i>GPT-9000A Series only</i> )	5.0m - 2,000m		
NP Long Mode Accuracy			
Fine 1mm	±(10mm+10ppmxD*) m.s.e.		
Coarse 5mm	±(20mm+10ppmxD*) m.s.e.		
Coarse 10mm	±(100mm) m.s.e.		
<b>USER INTERFACE</b>			
OS	Microsoft Windows CE.NET 4.2		
Processor	Intel PXA255 400Mhz		
Screen	Full Color Touch-screen		



Topcon Positioning Systems is the worldwide leading developer and manufacturer of precision positioning equipment and offers the widest selection of innovative precision GPS systems, laser, optical surveying, and machine control products.



From open-field construction projects to isolated surveying sites and from rolling farmland to inner city utility projects, Topcon Positioning Systems provides innovative technology that provides a decidedly competitive edge to end-users.



The recognized innovative trend-setter in its industry, Topcon has focused on developing an array of integrated positioning and automation technologies to meet the constantly changing demands facing construction, surveying, agriculture, utilities and law enforcement industries worldwide.

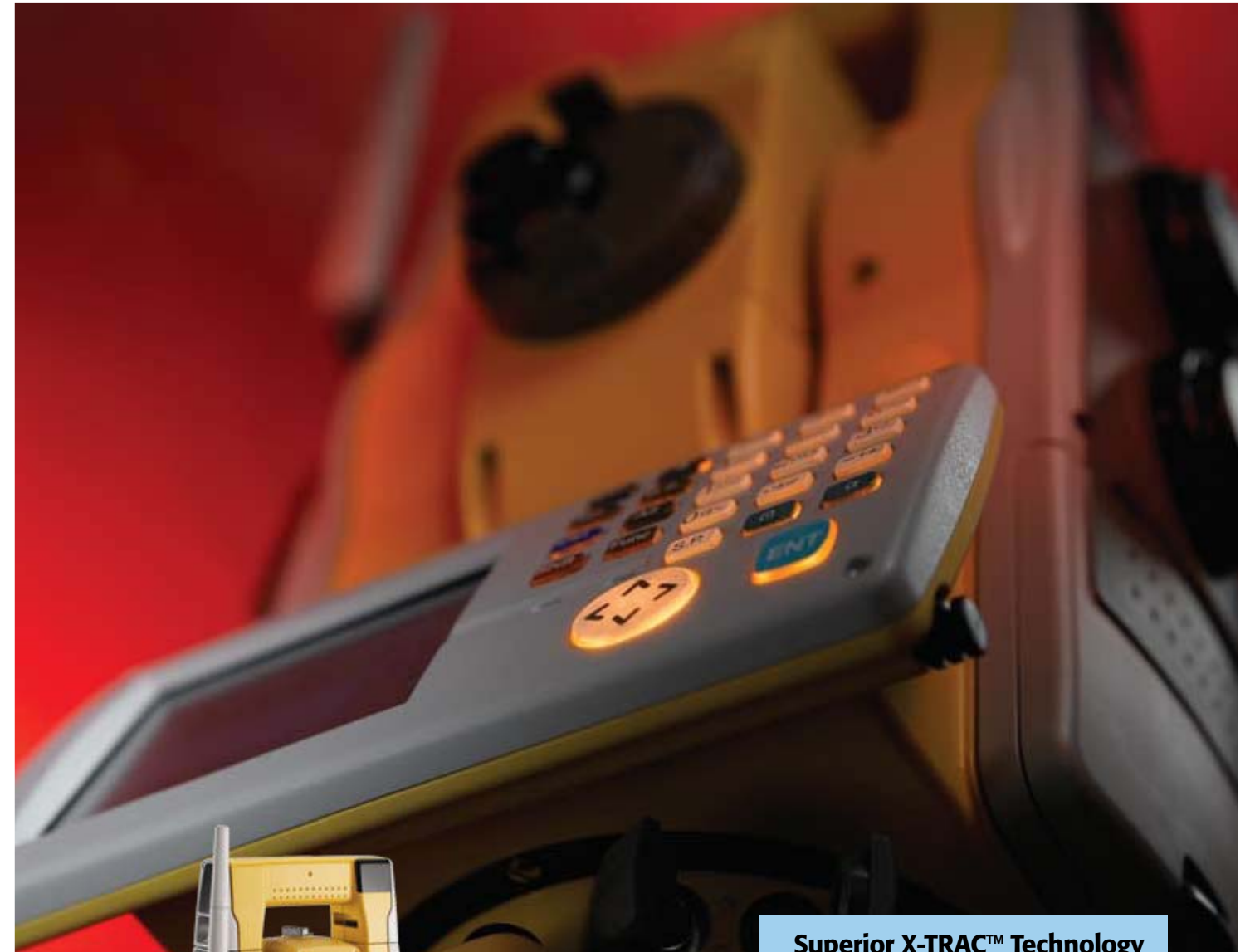
Your local Authorized Topcon dealer is:

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## GPT-9000A SERIES GTS-900A SERIES



# ROBOTIC TOTAL STATION SYSTEM



### Superior X-TRAC™ Technology

- INNOVATIVE, COMPLETELY CABLE-FREE DESIGN
- SUPERIOR X-TRAC™ QUICK-LOCK TRACKING TECHNOLOGY
- ADVANCED, LONG RANGE REFLECTORLESS EDM TECHNOLOGY
- INTEGRATED INTERFERENCE FREE 2.4 GHz SPS ROBOTIC DATA COMMUNICATIONS
- FULL-COLOR, GRAPHICAL WINDOWS MOBILE INSTRUMENT & FIELD CONTROLLER INTERFACE



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Specifications subject to change without notice

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# It's time.

The way we work is constantly changing. Adopting and utilizing the very best technology innovations for your business enables you to increase your productivity and profitability like never before.

Robotic instrument technology and the significant performance advantages it can offer have changed the way topography and layout tasks are completed worldwide. Through Topcon's leadership and experience in optical instrumentation that spans more than 75 years, we have the know-how to design and build the very best Robotics systems available.

Faster, Lighter, Smaller - That's what the new GPT-9000A series promises... and that's what Topcon delivers.

With a modern, cable-free design, the 9000A series offers the most advanced robotic technology available. From Topcon, the world leader in optical total station technology. Our 9000A series robotic system features sophisticated technology unique to Topcon - our one-touch quick lock feature that set the standard in Robotic target acquisition has taken another step forward, with the sleek new RC-3 system.

Available in 1, 3, and 5 second angle accuracies, you can select the instrument that best fits your requirements. All 9000A series robotic systems offer reflectorless measurement superior to any other instrument available - capable of precision measurements at a mind-boggling 2000 meters!

Packed with a wide variety of advanced technologies, the Topcon GPT-9000A series robotic total station demonstrates why Topcon continues to be the world's leader in precision survey instrumentation:

- Innovative, completely cable-free system design
- Superior X-TRAC™ Quick-Lock tracking technology
- Full-color, graphical Windows Mobile instrument & field controller interface
- The most advanced, longest range, and most powerful reflectorless technology available
- Integrated interference free 2.4 GHz SpSp robotic data communications
- Field Scan Imaging ready.

Topcon's new 9000A-series Robotic Systems: Superior Technology - Superior Design - Superior Performance and Value: only from Topcon, the World Leader in Precision Measurement Technology.



**GPT-9000A/GTS-900A SERIES**  
Advanced Robotic Instrument System

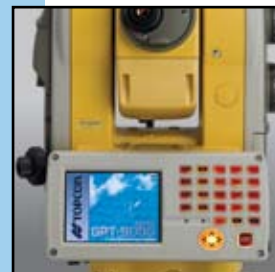


## The new Topcon 9000A/900A Series combines advanced technology and modern design innovations.



### X-TRAC™ Technology

- Instantaneous re-acquisition of target lock
- Third generation of Topcon's World's First Quick-Lock Technology
- Combined quick-lock and IR communication technology



### Advanced System Design

- Completely Cable-free instrument and rover
- Integrated graphical Windows color touch screen interface.
- New, ultra-fast robotic servo technology



### Integrated Radio System

- 2.4 GHz Interference free Spread Spectrum Radio
- Integrated into side panel of the instrument
- Optional, snap-in radio module RS-1 for the FC-200



### New FC-200 Field Controller

- Integrated Bluetooth® wireless technology
- New 520 MHz Intel XScale® processor
- Optional snap-in RS-1 radio module
- Super-bright Windows color touch-screen interface

### Completely cable-free system components:

- GPT-9000A/GTS-900A Robotic Instrument
- FC-200 Graphical Field Controller
- RS-1 Radio System
- Lightweight 360° prism
- TopSURV field controller software



## Smaller - Lighter - Faster - Longer. The Topcon GPT-9000A/GTS-900A series robotic total stations are the latest, most advanced system on the market today combining a new modern design and advanced technology.



### 2000m Reflectorless EDM Technology (GPT-9000A Series only)

- Most powerful reflectorless EDM available
- Long range power means unsurpassed short range performance
- Pinpoint accuracy with narrow, focused beam



### Complete Robotic System in 1 Case:

- GPT-9000A/GTS-900A Instrument
- Charging Cradles
- FC-200 Controller
- RC-3 System
- Lightweight 360° prism
- Radio Antennas
- Manuals & Utility software

