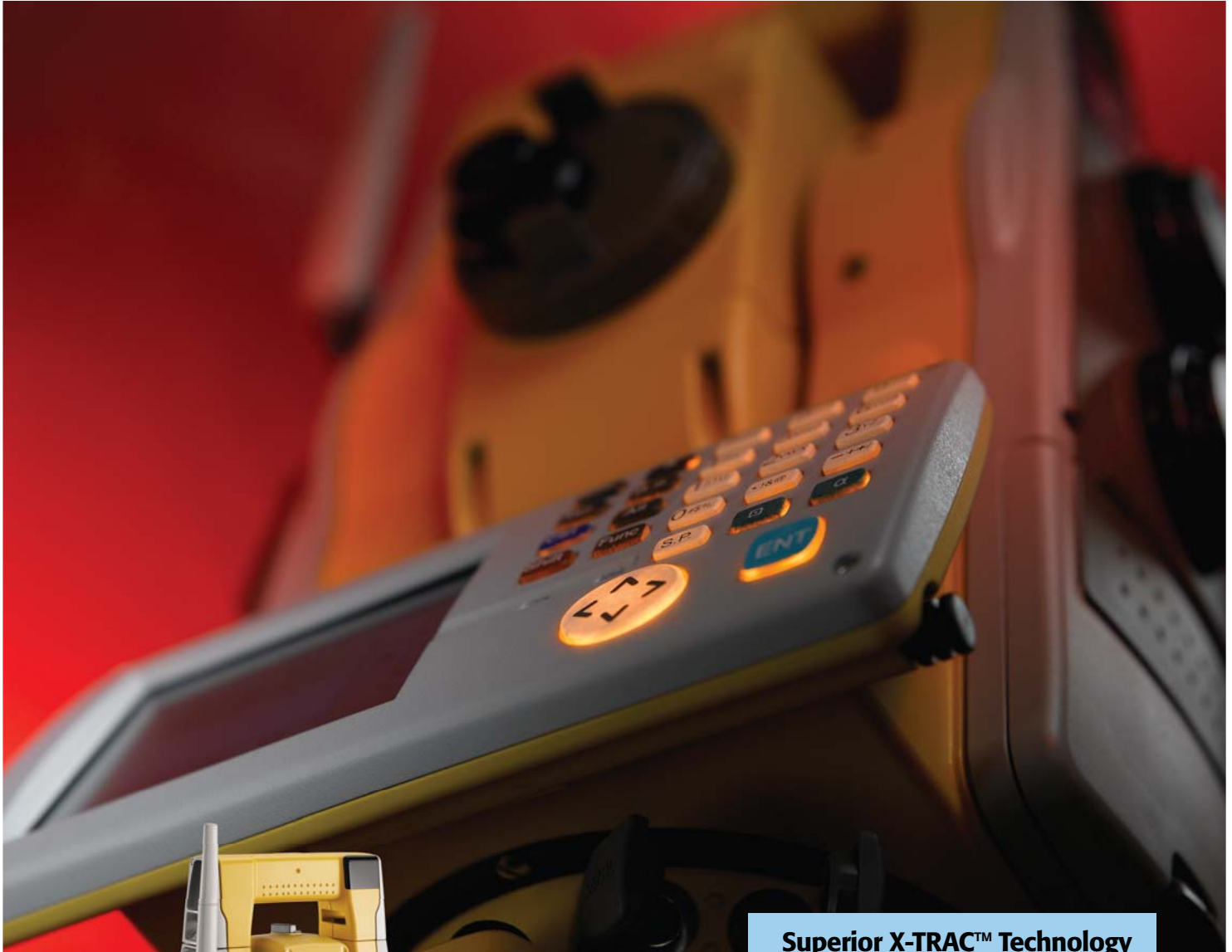


GPT-9000A SERIES
GTS-900A SERIES



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 SpSp ROBOTIC DATA COMMUNICATIONS
- FULL-COLOR, GRAPHICAL WINDOWS MOBILE INSTRUMENT & FIELD CONTROLLER INTERFACE

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 70 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

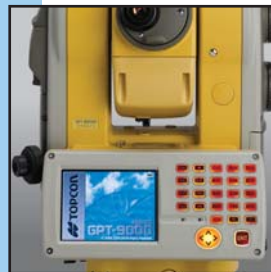


The new Topcon 9000A/900A Series combines advanced technology and modern design innovations.



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.

RC-3 Quick-Lock & IR Communication Handle System

Built-in 2.4 GHz Radio

Super Long Range NP EDM - 2000m!

Optional Snap-in RS-1 2.4 GHz Radio

Revolutionary X-TRAC Prism Tracking Technology - 1000m!

Ultra-Fast Servo Motor Technology

520 MHz XScale® Processor

Bright Windows CE Color Screens

W-LAN Support

Easy Access Memory Card

 **Bluetooth®**
Integrated Bluetooth® wireless technology

Camcorder Battery Power Supply

Infrared (IR) Communication Capability

Multi-Channel Support

Small, Round Prism-Top Design

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



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, through our 170+ dealers throughout North and South America, 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.

Offices Worldwide

TOPCON CORPORATION

75-1 Hasunuma-cho, Itabashi-ku • Tokyo 174-8580, Japan
Phone: 3-3558-2520 • Fax: 3-3960-4214 • www.topcon.co.jp

Topcon Europe Positioning B.V.

Essebaan 11, 2908 LJ Capelle a/d IJssel • THE NETHERLANDS
Phone: 010-4585077 • Fax: 010-4585045 • www.topconeuropa.com

Topcon Corporation Beijing Office

Block A No.9, Kangding Street, Beijing Economic
Technological Development Area, Beijing 100176 • CHINA
Tel: +86-10-6780-2799 • Fax: +86-10-6780-2790



Topcon Positioning Systems, Inc.

7400 National Drive
Livermore, CA 94550
www.topconpositioning.com



Specifications subject to change without notice

©2006 Topcon Corporation All rights reserved.

P/N: 7010-0778 Rev. A Printed in U.S.A. 09/06

Specifications

	9001A/901A	9003A/903A	9005A/905A
ANGLE MEASUREMENT			
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'		
DISTANCE MEASUREMENT			
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.		
USER INTERFACE			
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:

The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Topcon is under license. Other trademarks and trade names are those of their respective owners.