

SURVEY PRODUCTS: GTS-810/810A series

 **TOPCON**

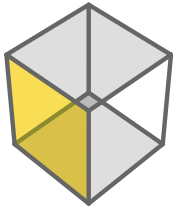


GTS-810/810A series

With RC-2II FastTrak

- Optical Communications (Radioless)
- Instant Lock

 **creation**
TOPCON — 2002
70 years of inspired creation

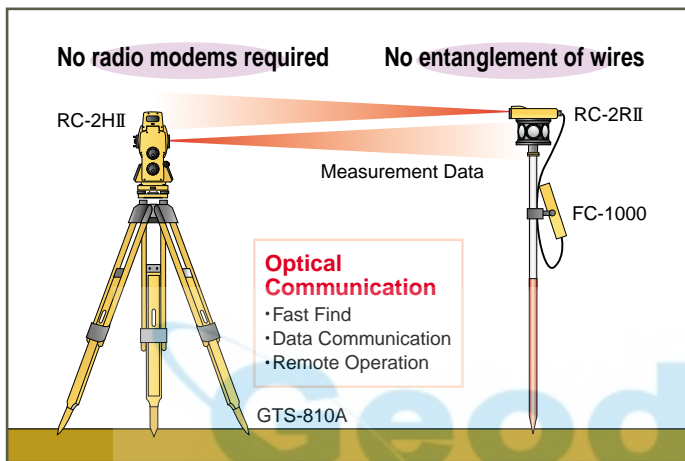


GTS-810 Robotic Total Station and RC-2II "FastTrak" System are the world's first robotic, one-man survey system which provides a level of productivity far beyond your expectations.

Single person, Double speed.

RC-2II FastTrak System.

The wireless, one-touch operation helps the GTS-810A to find where you are and get you in seconds.



Optical Communication System

Radio-free operation eliminates any chance of downtime caused by radio interference.

RC-2II Remote Controller



The combination of the "Fast-Trak" feature and the latest Optical Communication System sets you free from radio related problems, and gives you the best performance in the industry.

- Remote Control
- Two-Way Communication
- Search/Turn Functions
- "Fast-Trak" re-acquisition



General Construction, surveying, Earthmoving, Mapping.
No matter what type of work you do, topcon has a tool that will help you get the job done right, the first time.



HiPer
GPS+
receiver



GPT-2000
Total
Station



System 5
3D Control Box



Agility

Topcon's advanced auto-tracking and movement anticipation functions maintain prism lock and boost your productivity in tough environments.

Flexibility

Should your job require shots beyond optical communication ranges, Topcon enables you to also use traditional radio technology

Durability

Waterproof and dustproof construction stands up to inclement weather and dusty jobsite conditions.

optional accessories

• RC-2II



• Prism A3S



• Laser Plummet



• Solar filter-6



• Solar reticle-6



standard components



GTS-810/810A.....1 each	Silicon cloth1 each
Battery BT-56Q2 each	Plastic rain cover1 each
Battery charger BC-27BR (120V)	Plumb bob set.....1 each
or BC-27CR (230V).....1 each	Lens cap1 each
Tool kit with case.....1 set	Instruction manual.....1 each
Plastic carrying case1 each	



DL-100 Series
Electronic Digital
Levels



TP-L4 Series
GreenBeam®
Pipe Laser



Legacy Series
GPS+
Receiver



RL-H2Sa
Dual Slope
Laser

yesterday

Topcon Corporation has been a world leader in optical, mechanical, and electronic integration (Optomechatronics) for over 70 years. With hundreds of patents to their credit, Topcon is the recognized leader in the manufacture of high accuracy positioning laser and optical products used world wide by the construction, civil engineering and medical industries.

... and today

Topcon continues to produce the world's most innovative products for the construction, survey, agriculture, and mining industries. We offer a full line of laser, sonic, GPS+, LPS, and optical devices for numerous specialized industry applications and tasks.

there when you need us.

Topcon maintains a world wide network of factory trained and certified service and support technicians. Combined with our network of authorized distributors, we offer service and support second to none.

RC-2II TECHNICAL SPECIFICATIONS

Operating Distance	16.4ft ~ 820ft (5m ~ 250m)
Weather Proof	RC-2RII: IPX5 / RC-2HII: IPX4
Operating Temperature	4°F ~ 122°F (-20°C ~ +50°C)
Power Supply	Four AA size dry cells (6V)
Operating Time	Normal use: Approx. 30+ hours
Weight	0.66lbs. (0.3kg)
Dimensions	6"(D) × 2.7"(W) × 1.49"(H) 154mm(D)×69mm(W)×38mm(H)

For more info on these or any other
Topcon product log onto:
www.topcon.com



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Specifications subject to change without notice

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SPECIFICATIONS

Model Name	GTS-811/A	GTS-813/A	GTS-815/A
Auto tracking servo Mechanism (GPT-8000A series only)			
Max. rotation speed		50°/sec	
Max. auto tracking speed		10°/sec	
Auto tracking range		2,300' (700m)	
Drive range		Throughout full revolution	
Search range			
Auto Tracking		User definable	
Auto Collimating		±5°	
Coarse Movement		Shuttle control (output: 7 speed change)	
Fine Movement		Jog control (Minimum 1 sec.)	
Tracking accuracy (Repeatability)		Standard deviation 3" (at stable air condition)	
Optical Communications (Radioless)			
2-way		825' (250m)	
1-way		825' (250m)	
Distance Measurement			
Measurement range			
Single Prism		7,260' (2,200m)	
Visibility about 12.5 miles (20km), moderate sunlight			
Measuring accuracy		(±2mm + 2ppm × D) m.s.e.	
Minimum reading		Fine 0.2mm/1mm Coarse 1mm/10mm	
Measuring time		Fine 1mm mode	
Average		1.2 sec. (4 sec.)	
Initial		approx. 3 sec.	
Angle Measurement			
Method		Absolute encoder	
Detecting		Horizontal: 2 sides Vertical: 2 sides	
Minimum reading	0.5"/1"	1"/5"	1"/5"
Accuracy	1"	3"	5"
Tilt sensor			
Type		Dual axis	
Compensating range		±4'	
Level sensitivity			
Circular level		10'/2mm	
Plate level		30"/2mm	
Plummet			
Standard		Optical plummet	
Option		Laser plummet	
Others			
Tracking Indicator		Yes	
Waterproof		IP54	
Operating time		Normal use: 3.0h Distance and Angle measurement: 4.5h	
Battery		2 pcs	

Your Local TOPCON dealer is: