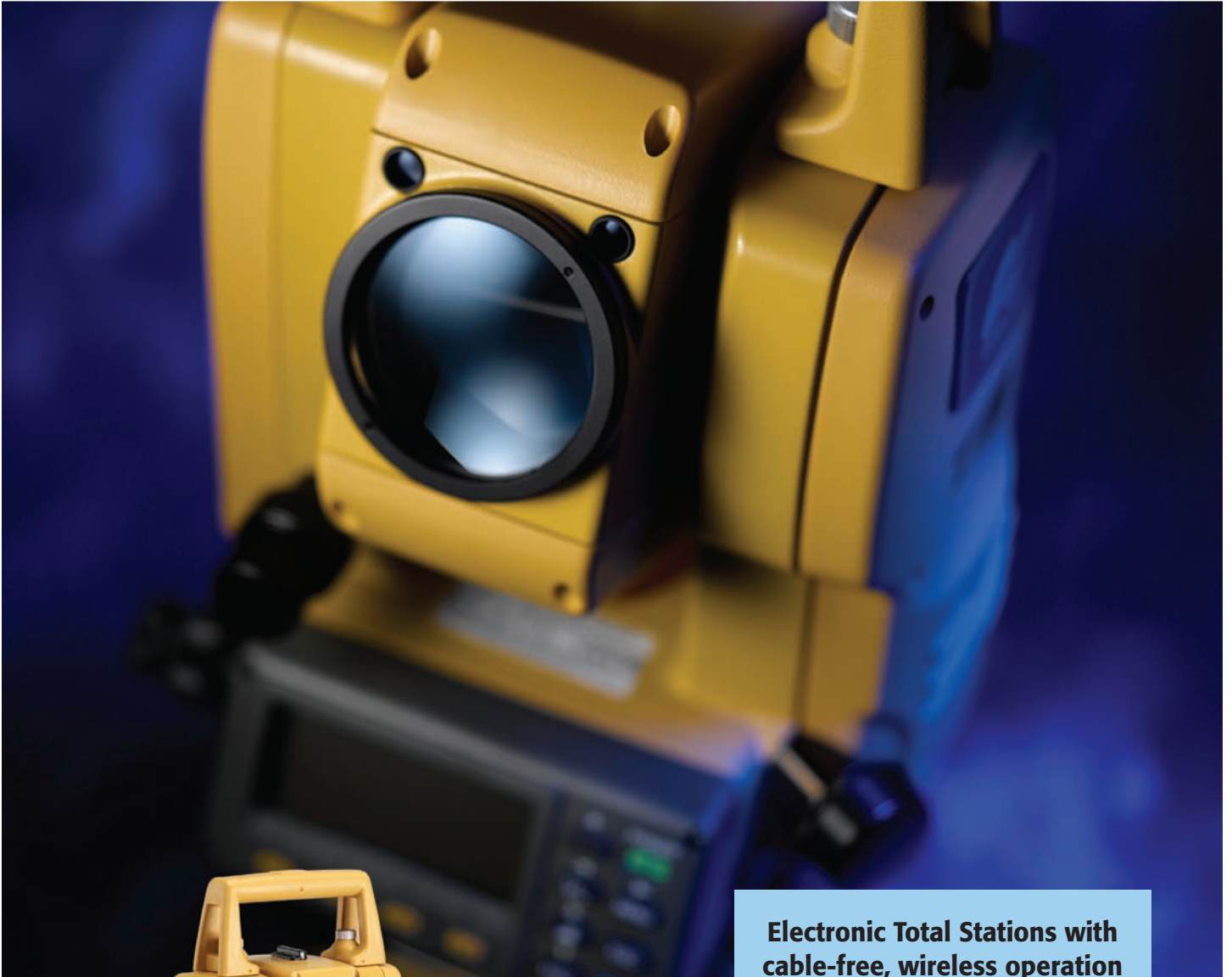


# **GTS-230W Series**

## **Wireless Total Stations**



**Electronic Total Stations with  
cable-free, wireless operation**

- WIRELESS TOTAL STATION
- LARGE, EASY-TO-READ SCREEN
- EXPANDED KEYBOARD FOR INCREASED FUNCTIONALITY
- "POINT GUIDE FEATURE" TO ALLOW FAST ALIGNMENT IN STAKING TASKS

## World's First Wireless Total Station

Topcon's GTS-230W Series was the World's First electronic total stations to feature wireless operation. Each model in this versatile lineup can handle all surveying and construction total station needs at a remarkably low price. Four levels of angular accuracy are available to suit any application. And the rugged, waterproof/dustproof design, (IP-66), will stand up to the harshest construction site environment.



## Loaded with Features

The GTS-230W Series is loaded with standard features including a long life 10 hour NiMH battery, a "Point Guide Feature" to allow fast alignment in staking tasks, and a laser plummet to help make setup fast and easy. Even wireless operation is standard with the GTS-230W Series, so you don't have to worry about messy cables slowing you down!



On board data collection, handy application programs, and increased distance range and EDM accuracy complete this

package that's been designed to speed up your work while insuring accuracy and ease of use.

## Technological Innovators

We know it isn't just about moving dirt or surveying. It's about time, work, energy, manpower, machinery, money, and the countless obstacles that you face everyday. It is our mission here at Topcon to make your job easier, faster, and more affordable—and we have a long history of doing just that. From survey to inspection, Topcon dealers throughout the world supply innovative technology to surveyors, civil engineers, contractors, equipment owners, and contractors, empowering them to improve their productivity, increase their profits, lower their operation costs, and strengthen jobsite safety.



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**Specifications subject to change without notice**

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## Specifications

MODEL	GTS-233W	GTS-235W	GTS-236W	GTS-239W
<b>TELESCOPE</b>				
Length	5.9 in. (150mm)			
Objective Lens Diameter	1.77 in. (EDM 1.97 in.) (45mm (EDM 50mm))			
Magnification	30x			
Resolving Power	2.5"			
Minimum Focus Distance	4.26 ft. (1.3m)			
<b>DISTANCE MEASUREMENT</b>				
1 Prism	9,840 ft. (3,000m)	9,840 ft. (3,000m)	9,840 ft. (3,000m)	6,560 ft. (2,000m)
3 Prism	13,120 ft. (4,000m)	13,120 ft. (4,000m)	13,120 ft. (4,000m)	8,860 ft. (2,700m)
Accuracy	±(2mm+2ppmxD)m.s.e.	±(2mm+2ppmxD)m.s.e.	±(2mm+2ppmxD)m.s.e.	±(3mm+3ppmxD)m.s.e.
<b>Measuring Time</b>				
Fine Mode	1mm:1.2 sec. (Initial 4 sec.) 0.2mm:2.8 sec. (Initial 5 sec.)			
Coarse Mode	0.7 sec. (Initial 3 sec.)			
Tracking Mode	0.4 sec. (Initial 3 sec.)			
<b>ANGLE MEASUREMENT</b>				
Method	Absolute Encoder Reading			
Detecting System	H:2 side V:1 side	H:2 side V:1 side	H:1 side V:1 side	H:1 side V:1 side
Minimum Reading	1"/5"	1"/5"	1"/5"	5"/10"
Accuracy	3"	5"	6"	9"
<b>TILT CORRECTION</b>				
Tilt Sensor	Dual Axis	Dual Axis	Dual Axis	Single Axis
Method	Liquid Type			
Compensating Range	±3'			
Correction Unit	1"			
<b>DISPLAY</b>				
Display Unit	Dot matrix graphic LCD 160dot x 64dot			
	2 side	2 side	1 side	1 side
Keyboard	12 keys			
<b>OPERATING TIME</b>				
Including Distance Measurement	10h (Bluetooth On: 8h)			
Angle Measurement Only	45h (Bluetooth On: 25h)			
<b>OTHERS</b>				
Bluetooth® Wireless Technology	Yes			
Protection Against Water and Dust	IP66			
Data Memory	8,000 pts.			
Ambient Temperature Range	-4°F to +122°F (-20°C to +50°C)			
P.G.	Yes	Yes	Yes	No
Plummet	Laser (optical plummet optional)			

Your local Authorized Topcon dealer is:

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