

NEW



SURVEY INSTRUMENT

TOPCON



# GTS-230 Series

World's First electronic Total Station  
with cable-free wireless operation

**WIRELESS!**

# GTS-230 Series Specifications

	GTS-233W	GTS-235W	GTS-236W	GTS-239W
<b>TELESCOPE</b>				
Length	150mm	150mm	150mm	150mm
Objective lens diameter	45mm(EDM:50mm)	45mm(EDM:50mm)	45mm(EDM:50mm)	45mm(EDM:50mm)
Magnification	30x	30x	30x	30x
Resolving power	2.5"	2.5"	2.5"	2.5"
Minimum focusing distance	1.3m	1.3m	1.3m	1.3m
<b>DISTANCE MEASUREMENT</b>				
1 prism	3,000m	3,000m	3,000m	2,000m
3 prism	4,000m	4,000m	4,000m	2,700m
Accuracy	±(2mm + 2ppm x D)m.s.e.	±(2mm + 2ppm x D)m.s.e.	±(2mm + 2ppm x D)m.s.e.	±(3mm + 3ppm x D)m.s.e.
Measuring time				
<b>Fine mode</b>	1mm:1.2sec.(Initial 4sec.) 0.2mm:2.8sec.(Initial 5sec.)	1mm:1.2sec.(Initial 4sec.) 0.2mm:2.8sec.(Initial 5sec.)	1mm:1.2sec.(Initial 4sec.) 0.2mm:2.8sec.(Initial 5sec.)	1mm:1.2sec.(Initial 4sec.) 0.2mm:2.8sec.(Initial 5sec.)
<b>Coarse mode</b>	0.7sec.(Initial 3sec.)	0.7sec.(Initial 3sec.)	0.7sec.(Initial 3sec.)	0.7sec.(Initial 3sec.)
<b>Tracking mode</b>	0.4sec.(Initial 3sec.)	0.4sec.(Initial 3sec.)	0.4sec.(Initial 3sec.)	0.4sec.(Initial 3sec.)
<b>ANGLE MEASUREMENT</b>				
Method	Absolute encoder reading	Absolute encoder reading	Absolute encoder reading	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	Liquid type	Liquid type	Liquid type
Compensating range	±3'	±3'	±3'	±3'
Correction unit	1"	1"	1"	1"
<b>DISPLAY</b>				
Display unit		Dot matrix graphic LCD 160dot x 64dot		
Keyboard	2 side 12 keys	2 side 12 keys	1 side 12 keys	1 side 12 keys
<b>OPERATING TIME</b>				
Including distance measurement	10h(Bluetooth ON:8h)	10h(Bluetooth ON:8h)	10h(Bluetooth ON:8h)	10h(Bluetooth ON:8h)
Angle measurement only	45h(Bluetooth ON:25h)	45h(Bluetooth ON:25h)	45h(Bluetooth ON:25h)	45h(Bluetooth ON:25h)
<b>OTHERS</b>				
Bluetooth	Yes	Yes	Yes	Yes
Protection against water and dust	IP66	IP66	IP66	IP66
Data memory	8,000pts.	8,000pts.	8,000pts.	8,000pts.
Ambient temperature range	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C
P.G.	Yes	Yes	Yes	No
Plummet		Lasers (optical plummet optional)		

Your local TOPCON dealer is:



TOPCON POSITIONING SYSTEMS, INC.  
925-460-1300 • 800-443-4567  
Pleasanton, CA USA  
[www.topcon.com](http://www.topcon.com)