SPECIFICATIONS

	GTS-233N GTS-235N G	GTS-236N	GTS-239N	
TELESCOPE	010 2001 010 2001 0	310 20011	010 20311	OTHERS
Length	150mm			Instrument
Objective Lens Dia.	45mm (EDM 50mm)		LEVEL SE	
Magnification	30×		Circular Le	
Image	Erect		Plate Level	
Field of View	1°30′		OPTICAL	
Resolving Power	2.5"		Magnificati	
Min. Focus Distance	1.3m (4.9 ft.)		Focusing R	
DISTANCE MEASUREMENT	`			Image
Condition 1				Field of Vie
1 prism	3,000m (9,900 ft.	.)	2,000m (6,600 ft.)	DIMENSIO
3 prisms	4,000m(13,200 ft.	.)	2,700m (8,900 ft.)	
9 prisms	5,000m(16,400 ft.	<i>′</i>	3,400m(11,200 ft.)	WEIGHT
Condition 2	, , ,			Instrument
1 prism	3,500m(11,500 ft.	.)	2,300m (7,500 ft.)	Plastic Carr
3 prisms	4,700m(15,400 ft.	.)	3,100m(10,200 ft.)	
9 prisms	5,800m(19,000 ft.	/	4,000m(13,200 ft.)	DURABIL
Condition 1: Slight haze with visibility about 20km (12.5 miles) moderate sunlight				Protection a
with light heat shimmer.				Ambient To
Condition 2: No haze with visibility about 40 km (25 miles), overcast with no heat				BATTERY
shimmer.				Output Vol
Accuracy	$\pm (2mm + 2ppm \times D)$	m.s.e.	±(3mm+3ppm×D)m.s.e.	Capacity
	D: Measuring dis		· 11 /	Maximum o
Least Count in Measurement				Including d
Fine Measurement Mode	1mm (0.005 ft.)/0.2mm (0.001 ft.)		Angle mea	
Coarse Measurement Mode	10mm (0.02 ft.)/1mm (0.005 ft.)		Weight	
Tracking Measurement Mode	10mm (0.02 ft.)		BATTERY	
Measurement Display	12 digits: max. display 99999999.9999		Input Volta	
Measuring Time		,		Frequency
Fine Measurement Mode	1mm: 1.2 sec. (Initial 4 sec.)		Recharging 7	
	0.2mm: 2.8 sec. (Initial 5 sec.)		Discharging	
Coarse Measurement Mode	0.7 sec. (Initial 3 sec.)		Operating To	
Tracking Measurement Mode	0.4 sec. (Initial 3 sec.) (The initial time will be different by a condition)		Weight	
Atmospheric Correction Range	-999.9ppm to +999.9ppm, in 0.1ppm increments		170	
Prism Constant Correction Range	-99.9mm to +99.9mm, in 0.1mm increments			
ANGLE MEASUREMENT				
Method	Absolute Reading		1000	
Detecting System	H: 2 sides V: 1 side	H: 1 side	V: 1 side	100
Minimum Reading	1"/5"		5"/10"	
	(0.2/1mgon)		(1/2mgon)	
Accuracy*	3"(1mgon) 5"(1.5mgon) 6"(1.8mgon) 9"(2.7mgon)			
Measuring Time	Less than 0.3 sec.		130	
Diameter of Circle	71mm			
DISPLAY				
Display Unit	Graphics LCD 160 × 64 Dots with backlight			
î	2 sides 1 side		* Standar	
Keyboard	Alpha-Numeric key		 Designs 	
TILT CORRECTION (AUTOMATIC INDEX)				Impor
Tilt Sensor	Dual axis Single axis			mpor
Method	Liquid type			
Compensating Range	±3'			
Correction Unit	1" (0.1mggn)			



GTS-233N | GTS-235N | GTS-236N | GTS-239N



STANDARD COMPONENTS

0.5kg (1.1 lbs.)

- GTS-230N series (with lens cap)
- ... 1 each • On-board Bettery BT-52QA····1 each Sun shade • Plumb bob set --1 each • Plastic carrying case Battery charger BC-27 -----1 each Plastic rain cover ···· ·1 each · Took kit with case ··· ...1 set
- * Standard deviation based on DIN18723
- Designs and specifications herein are subject to change without notice.(E. & O.E.)

Important In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.



TOPCON POSITIONING SYSTEMS, INC.

Correction Unit

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1" (0.1mgon)

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ELECTRONIC TOTAL STATION

GTS-230Nseries



Easy operation & Toughness should be Robust !!!



Increased Internal Memory for DATA Storage

productivity!

TOPCON

The GTS-230N Series has an internal memory to store up to 24,000 points for data collection and lay-out work.

Already included in the GTS-230N series, New Road software is added. New Road function automatically calculates a complicated spiral curve and a long distance route only by defining the start point, terminal point and a curvilinear element. Naturally, with on board data collection and field application software, the GTS-230N Series supports different field work by various functions and easy operation.

