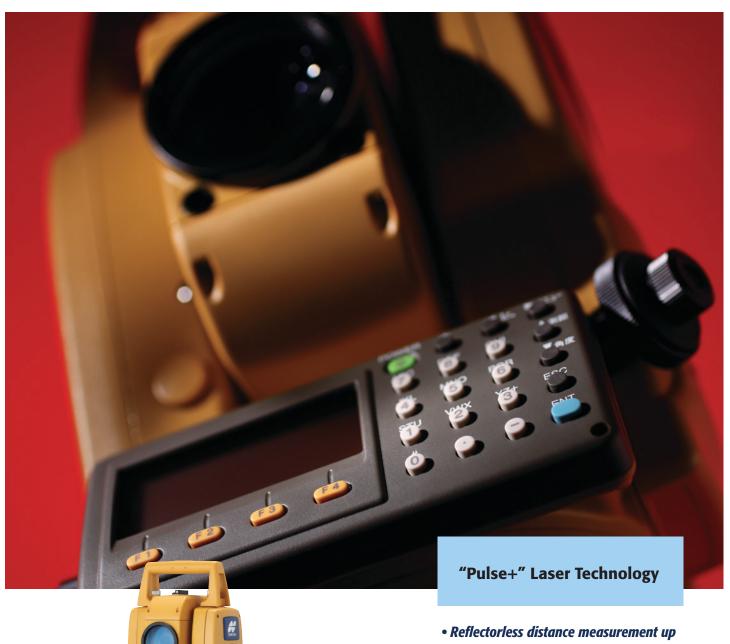


GPT-3100N series

REFLECTORLESS TOTAL STATION



- to 350M
- Low power consumption
- Small diameter pin-point measurement
- Point guide
- Laser pointer
- Water and dust protection IP66
- Versatile applications including Road



New Reflectorless distance measurement technology "Pulse+"

Topcon's unique optical technology "Pulse +" enhanced the productivity

Reflectorless distance measurement up to 350M



GPT-3100N achieved Reflectorless distance measurement up to 350M, 140% improvement against previous model (250M)

Significant saving of power consumption



Pulse + optical system contributed to power consumption cut down from 4.7W to 3.6W ($\pm 20\%$ down), but extended operating time to 5 hours ($\pm 120\%$)

It's time.

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Specifications subject to change without notice

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Specifications

	GPT-3102N	GPT-3103N	GPT-3105N	GPT-3107N	
TELESCOPE		<u> </u>			
Length		150)mm		
Objective Lens Dia.	45mm (EDM 50mm)				
Magnification	30 ×				
lmage		Er	ect		
Field of View	1°30′				
Resolving Power		2	.8"		
Min. Focus Distance		1.3m	(4.9 ft.)		
DISTANCE MEASUREMENT					
Prism Mode					
Measuring Range					
Mini prism	1,000m*				
1 prism	3,000m*/4,000m**				
3 prisms	4,000m*/5,300m**				
9 prisms	5,000m*/6,500m**				
 Condition 1: Slight haze with visibility about 20 			it shimmer.		
** Condition 2: No haze with visibility about 40km					
Measurement Accuracy*1			Coarse: ±(7mm+2p)		
Measuring Time	Fine mode 1mm: Approx.1.1 sec. (Initial 2.5 sec.)				
	0.2mm: Approx. 1.5 sec. (Initial 3 sec.)				
	Coarse n	node 1mm/10mm: /	Approx. 0.8 sec. (Init	ıaı 2 sec.)	
Non-Prism Mode (Diffusing Surface)					
Measuring Range	1.5m to 350m				
Measuring Accuracy	±(3mm+2ppm×D)m.s.e.				
	Coarse: ±(10mm)m.s.e.				
Measuring Time	Fine mode 1mm: Approx. 1.7 sec. (Initial 3 sec.)				
	0.2mm: Approx. 2.6 sec. (Initial 3.5 sec.) Coarse mode 1mm/10mm: Approx. 1.0 sec. (Initial 2.0 sec.)				
ANGLE MEAGUREMENT	Coarse m	ode Imm/I0mm: A	pprox. 1.0 sec. (Initia	al 2.0 sec.)	
ANGLE MEASUREMENT		A l l- 4	D #		
Method	H: 2 sides V: 2 sides		Reading	H: 1 side V:1 sid	
Detecting System Minimum Reading	n. 2 sides v. 2 sides				
Accuracy*2	2"(0 6mgon)	1"/5" (0.2/1mgon)	E"/1 Emgon)	5"/10"(1/2mgon	
Diameter of Circle	2"(0.6mgon)	3"(1mgon)	5"(1.5mgon) mm	7"(2mgon)	
DISPLAY		/1	111111		
Display Unit		raphics LCD 160 V	64 Dots with backlig	ht	
Display Offic		· ·	04 DOIS WITH DACKING	1 side	
Keyboard	2 sides 1 side Alpha-Numeric key				
TILT CORRECTION (AUTOMATIC INDE)	0	Alpha-Ni	ппенс кеу		
Tilt Sensor	·	avic		Single axis	
Method	Dual axis Single axis Liquid type				
Compensating Range	±3'				
Correction Unit	1" (0.1mgon)				
OTHERS		1 (0.	11116011)		
The Number of Measuring Points		Approx 2/	1,000 points		
Instrument Height	176mm (6.93 in.)				
Laser Class	Class 1 (for distance measurement) Class 2 (Laser Pointer on)				
LEVEL SENSITIVITY	51055 1 (101		, C.035 Z (E03C)	. Since ony	
Circular Level		10'/	2mm		
Plate Level	30"/2mm 40"/2mm				
DIMENSION	336(H)×184(W)×172(L)mm/13.2(H)×7.2(W)×6.8(L)in.				
WEIGHT	353(11)	(,(-)	,()//	- \=/:-:	
		5.3kg/1	11.6 lbs.)		
Instrument (with battery)		3.4kg (7.3 lbs.) (Weight of the carrying case may be slightly different due to specific market			
Instrument (with battery) Plastic Carrying Case	3.4kg (7.3 lbs.) (W	eight of the carrying case	may be slightly different of	due to specific market	
Plastic Carrying Case	3.4kg (7.3 lbs.) (W	eight of the carrying case	may be slightly different	due to specific market	
Plastic Carrying Case DURABILITY					
Plastic Carrying Case DURABILITY Protection against water and dust		ith BT-52QA) (Based	d on the standard IE		
Plastic Carrying Case DURABILITY		ith BT-52QA) (Based			

^{*1} D: Measuring Distance *2 Standard deviation based on DIN18723

Your local Authorized Topcon Dealer is: