

ETS300 Series Windows CE Total Station



- Compact design with Windows CE 7.0 operating system
- 3.5" colour TFT LCD (320 x 240 dots) touch screen, transfective sunlight readable display
- Professional onboard software: Fieldgenius, Basic Survey
- Long reflectorless measuring distance reaches to 600m(R600) or 1000m(R1000)
- Illuminated keyboard with light sensor, turn on in dark surroundings automatically
- Multiple data interfaces, USB host, USB slave, RS-232C or Bluetooth connections are available
- Smart battery managing system, display battery life in real-time
- Guide light system for fast stake out measurement



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Technical data

ETS301		ETS302		ETS305		ETS301		ETS302		ETS305	
Telescope						Laser plummet(Standard) ^{*4}					
Length/Image				156mm/Erect		Accuracy				±1.0mm/1.5m	
Objective aperture				φ 45mm		Laser class				Class 2/IEC60825-1	
Magnification				30x		Laser brightness				Adjustable	
Field of view				1° 30′		Laser wave length				635nm	
Shortest focus distance				1.0m		Display					
Angle measurement						3.5" colour TFT LCD (320 x 240 dots) touch screen					
Reading system				Absolute encoder		transflective sunlight readable display					
Angle unit				360° /400gon/6400mil, selectable		Power					
Display resolution				0.5"/1"/0.1"(0.1mgon/0.2mgon/0.03mgon)		Battery					
Accuracy ^{*1}				1"		2"		5"		3400mAh Li-ion Rechargeable	
Distance measurement						Output voltage					
Display resolution(m/inch selectable)				0.1mm/1mm		Continuous operation time				12 hours	
Laser class				Prism		Class 1		(Single distance measurement every 30 seconds)			
Reflectorless/Reflective sheet				Class 3A		Charger				(100V /240V)	
Measurement range (Good condition) ^{*2}						Charging time(at +20°C)					
Reflectorless ^{*3}						Approx. 4 hours					
R600				1.0 to 600m		Application programs					
R1000				1.0 to 1000m		Data collection/Stake out/Resection/REM/MLM/					
Single prism				1.0 to 5000m		AREA/Z coordinate/OFFset/Road/Traverse/					
Accuracy						Graphical display with map layout					
Prism				1mm+2ppm		Others					
Reflective sheet/RP60				2mm+2ppm		CPU				ARM Cortex A8	
Reflectorless				R600		Memory				4GB internal memory	
R600				1.0-150m:3mm+2ppm; 150-300m:5mm+3ppm; 300-500m:10mm+5ppm		Sensors				Built-in temperature and pressure sensors	
R1000				1.0-150m:3mm+2ppm; 150-300m:5mm+3ppm; 300-500m:10mm+5ppm 500-800m:20mm+10ppm		Keyboard				Alphanumeric illuminated key board, both sides	
Measuring time						Guide Light System					
Prism				typ.1.0-1.5s		Weight(including batteries)				Factory optional	
Reflective sheet/RP60				typ.1.5s		Dimensions(WxDxH)				185x220x360mm	
Reflectorless				typ.1.5-5s, max. 20s		Operating temperature				-20°C to +50°C	
Level vial sensitivity						Storage temperature				-40°C to +70°C	
Plate level vial				30"/2mm		Interface					
Circular level vial				8′ /2mm		USB host/USB slave/RS-232C/Bluetooth(Optional)					
Compensator				Dual-axis compensator		Water and dust protection					
Working range				±4′		IP66(IEC60529)					
Setting accuracy				1"							

Related products









ETS600

ETS310

ETS100

JT400/JP400

Related products



ETS600



ETS310



ETS100



JT400/JP400

*1 Standard deviation based on ISO17123-3

*3 Reflector: White side of Kodak Gray Card with 90% reflective

*5 Laser safety certificate IEC 60825-1/ EN60825-1 compliant

*2 Good conditions: no haze, visibility about 40km, no heat shimmer, breeze

*4 Laser plummet mounted on the bottom of the vertical axis

Illustrations, descriptions and technical specifications are not binding and may change



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