

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																	
Angle unit									360° /400gon/6400mil, selectable																	
Display resolution									0.5"/1"/0.1"(0.1mgon/0.2mgon/0.03mgon)																	
Accuracy *1			1"			2"			5"			Power														
Distance measurement									Continuous operation time									8 hours								
Display resolution(m/inch selectable)						0.1mm/1mm			(Single distance measurement every 30 seconds)																	
Laser class			Prism			Class 1			Charger						(100V /240V)											
Reflectorless/Reflective sheet						Class 3A			Charging time(at +20°C)						Approx. 4 hours											
Measurement range (Good condition) *2									Application programs																	
Reflectorless *3									Data collection/Stake out/Resection/REM/MLM/ AREA/Z coordinate/OFFset/Road/Traverse/ Graphical display with map layout																	
R600			1.0 to 600m			Others																				
R1000			1.0 to 1000m																							
Single prism			1.0 to 5000m																							
Accuracy									CPU									ARM Cortex A8								
Prism			1mm+1.5ppm			Memory									4GB internal memory											
Reflective sheet/RP60			2mm+1.5ppm			Sensors									Built-in temperature and pressure sensors											
Reflectorless									Keyboard									Alphanumerical illuminated key board, both sides								
R600			1.0-150m:3mm+2ppm; 150-300m:5mm+3ppm; 300-500m:10mm+5ppm			Guide Light System									Factory optional											
R1000			1.0-150m:3mm+2ppm; 150-300m:5mm+3ppm; 300-500m:10mm+5ppm 500-800m:20mm+10ppm			Weight(including batteries)									5.5kg											
Measuring time									Initial:2s																	
									Prism			typ.1.0-1.5s			Dimensions(WxDxH)									185x220x360mm		
									Reflective sheet/RP60			typ.1.5s			Operating temperature									-20°C to +50°C		
Reflectorless			typ.1.5-5s, max. 20s			Storage temperature									-40°C to +70°C											
Level vial sensitivity									Interface									USB host/USB slave/RS-232C/Bluetooth(Optional)								
Plate level vial						30"/2mm			Water and dust protection									IP66(IEC60529)								
Circular level vial						8' /2mm			<div style="background-color: yellow; padding: 10px;"> <h3>Related products</h3>  <p style="display: flex; justify-content: space-around;"> ETS600 ETS310 ETS100 JT400/JP400 </p> </div>																	
Compensator																		Quadruple-axis compensator								
Working range						±3'																				
Setting accuracy						1"																				

*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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