DT300 series
Electronic Theodolite

- Absolute encoders, don't need rotate telescope to start angle measurement. Moreover, azimuth is kept when restarting the instrument after turning the power off.
- Easy to read, easy to use control panels
- RS232C Data I/O output
- Lower power consumption, longer working time with one battery
- Laser plummet on/off is controlled by keyboard, more stable

DT300 Series Electronic Theodolite

Technical data

	DT302L DT302	DT305L DT305	DT305DL DT305D
Telescope			
Objective lens	40mm		
Magnification	30×		
Image	Erect		
Field of view	1° 20'		
Minimum focus	2m		
Stadia constant	0		
Stadia ratio	100		
Reticle illumination	YES		
Angle measurement			
Reading system	Absolute encoder		
Detecting	Horizontal: 2 sides; Vertical: 1side		
Accuracy*2	2"	5"	
Display resolution	1"/5"10"/20" or 0.2mgon/1mgon/2mgon/5mgon		
Angle unit	360° /400gon, selectable		
Displays	LCD, Two sides		
Backsight	Yes		
Compensator			
Tilt sensor	Vertical		No
Range	±3′		/
Level sensitivity			
Plate level	30"/mm		
Circular level	8'/mm		
Plummet			
Optical plummet(Factory optional)	Accuracy:±0.8mm/1.5m; Image:Erect; Magnification: 3x; Field of view: 4° ; Focus range: 0.5m to ∞		
Laser plummet(Standard)	Accuracy:±0.8mm/1.5m; Laser class: Class 2; Laser spot size/brightnes: adjustable;		
Power			
Battery	Ni-MH rechargeable battery/ 4pcs Alkaline battery		
Operating time	40hours(rechargeable battery)/80hours(Alkaline battery)		
Others			
Serial interface	RS-232C Baud rate: 9600bps		/
Dimension	153x175x328mm		
Weight	4.5kg		4.3kg
Operating temperature	-20℃ to+50℃		
Water and dust protection	IP54		
Internal memory	/		

*1 "L" means laser plummet, "D" means without compensator

*2 Standard deviation based on ISO17123-3

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

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