

## EL300 series Digital Level



- Quicker and easier than an optical level; Easy one-touch operation, simply push the MEAS button
- Quick height and distance result - the reading is displayed almost instantly with measurement;
- LCD display presents all important measured data at a glance and shows the next step to take
- Reliable reading, even in dim light conditions
- Standard deviation of 1km double run:  $\leq \pm 0.6\text{mm}$ (electronic reading)
- Far measuring range:  $\cong 105\text{m}$
- On board program, such as BF, BFFB, BFBB, BBFF, FBBF, stake out, intermediate

# EL300 Digital Level

## Features

- LCD display, with illumination
- Alphanumeric keyboard, 24 keys(EL302A/EL312A)
- Automatic height and delta height calculation
- Optical reading is available
- Internal memory(3000 points) or SD card for data storage, supports USB and RS-232C ports for data transfer



## Technical data

		EL302A	EL312A	EL302	EL312
Accuracy					
Standard deviation of 1km double run(ISO 17123-2)					
Electronic measurement	Invar staff	±0.6mm*	±1.5mm*	±0.6mm*	±1.5mm*
	Standard staff	±1.0mm*	±2.0mm*	±1.0mm*	±2.0mm*
Optical measurement		±1.5mm*	±2.0mm*	±1.5mm*	±2.0mm*
Electronic measurement					
Time for single measurement		≤2s			
Range		2-105m			
Measurement modes		Single, average, tracking			
Display resolution(m/inch selectable for EL312A/EL302A )					
Height	0.1mm/0.0001ft	0.1mm	0.1mm/0.0001ft	0.1mm	
Distance	1mm/0.001ft	10mm	1mm/0.001ft	10mm	
Telescope					
Clear objective aperture		45mm			
Magnification		30×			
Field of view at 100m		2.3m			
Shortest focus distance		1.0m			
Automatic compensator					
Working range		14'			
Setting accuracy		±0.5"			
Power					
Battery		2000mAh Ni-MH rechargeable			
Continuous operation time		12 hours(At +12°C)			
Measurement programs					
On-board programs		BF, BFFB, BFBF, BBFF, FBBF, Stake out, intermediate			
Onboard adjustment		YES		NO	
Others					
Memory		3000 points, support SD card		SD card optional	
Display		LCD, 7linesX32characters			
Keyboard		Alphanumerical key board		Function key board	
Interface		USB, RS-232C optional			
Sensitivity of circular level		8' /2mm			
Water and dust protection		IP54			
Operating Temp		-20°C~ +50°C			
Net Weight		3kg			

\* Depending on staff and levelling technique.

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

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