

## 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:  $\leq \pm 0.7\text{mm}$ (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
- 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
Accuracy		
Standard deviation of 1km double run(ISO 17123-2)		
Electronic measurement	±0.7mm*	±1.5mm*
Optical measurement	±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	1mm(0.001ft)
Distance	1mm/0.001ft	10mm(0.01ft)
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, BFBB, BBFF, FBBF, Stake out, intermediate	
Onboard adjustment	YES	
Others		
Memory	3000 points, support SD card	
Display	LCD, 7linesX32characters	
Keyboard	Alphanumerical 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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