

INTRODUCING THE NEW HORIZON DI-LEV SERIES DIGITAL LEVELS
THE ARRIVAL OF PRECISION IN LEVELING WORK



The HORIZON Di-Lev digital level allows for precise leveling of both flat and gradient planes, and performs tasks with much more precision, speed, competency and convenience as compared to using the traditional optical level.

In addition, measurement errors are reduced through digital read-outs and the data collected could be transferred to other storage media conveniently via the accompanying software.



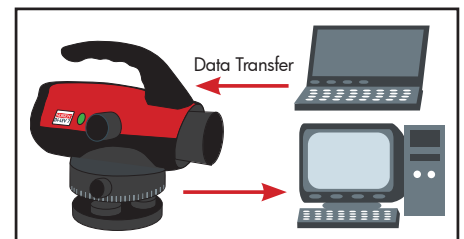
Side view



Front view



View Finder Side



Data Transfer software included

HORIZON®
MEASURE RIGHT

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DIGITAL LEVEL MODEL SPECIFICATIONS		DI-LEV 7	DI-LEV 10	DI-LEV 20
Height measurement precision (standard deviation of Round-trip measurement per kilometer)	Figure reading	0.7mm	1.0mm	2.0mm
	Optical reading	2.0mm		
Distance measurement precision	Figure reading	D≤10m:10mm;D>10m:Dx0.001		
measuring range	Figure reading	1.5m~100m		
Minimum display	VD	1mm/0.1mm		
	distance	0.1/1cm		
Measuring time		<3"		
Telescope	Magnification	32×		
	Resolution	3"		
	Field of view	1°20'		
	Stadia ratio	100		
	Stadia addition constant	0		
Compensator	Type	Tilting magnetic damping compensator		
	Compensation range	>±12'		
	Compensation accuracy	0.30"/1'		
Data storage	memory	16MB		
	Point number	Increment / decrement / custom		
	interface	USB		
	External Storage	SD card		
Sensitivity of Circular bubble		8'/2mm		
Automatic power off		Five minutes/OFF		
Horizontal dial	scale value	1°		
Display		160 x 64 dot matrix LCD with illumination		
temperature		-20° - 50°		
Size		230mm(length)×150mm(wide) ×210mm(height)		
weight		2.5kg		
Power supply details	B-21 NiMH rechargeable battery, 2100mAh, two packs Volt: 4.8v Limited charge voltage: 6v±0.05v Duration of charge: approximate 4 hours			
Display details	4-lines, 20-digit per line, 160*64 Dot matrix LCD with brightness-adjustable backlight			
Data storage capacities	Internal flash memory: 16M External storage card: Micro SD card, 2G			
Data downloading format/ conversions	Equipped with Data Transferring cable and attached CD containing drivers that comply with Silicon Laboratories CP210X VCP standard for different computer operation system and transfer/conversion software. Measuring data can be easily downloaded and transferred to preferable format such as .excel or other software format. The file extension name stored in Flash or SD card can be automatically named as .M, .L, or .A that depends on the type of the jobs			
Standard accessories with each instrument	1x Data Transfer cable 1x NiMH battery charger: input AC100-240v, output 4.8v DC 2x NiMH battery pack 1x CD 1x 2G Micro SD card 1x Allen key 1x adjusting pin 1x operation manual			
Details of measurement programs	According to actual need, it can choose to work in Standard Mode, Leveling Mode, and Adjustment Mode (for electronic outdoors adjustment). It can record staff reading, sight distance, and height difference. At the end of survey, the measuring results will be automatically calculated and displayed for evaluation.			



Each instrument comes with 2x 2metre bar coded fiberglass staves. The Di-Lev 20 comes with 2 aluminium bar coded staves.

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