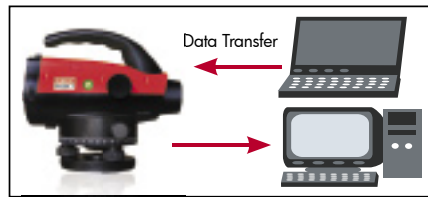


DIGITAL PRECISION IN LEVELING WORK

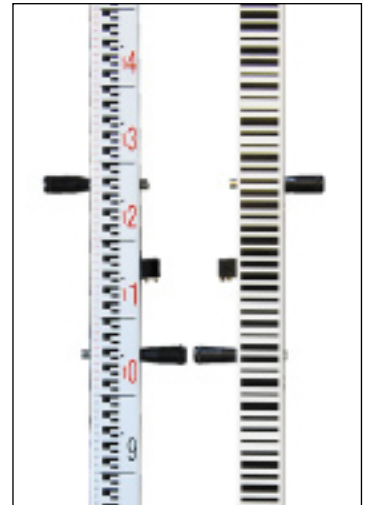


The HORIZON Di-Lev digital level allows for precise leveling of both flat and gradient planes, and performs tasks with much more precision, speed, competency and convenience.

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.



Data Transfer software included



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

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 measuring range	Figure reading	D≤10m:10mm;D>10m:Dx0.001		
	Figure reading	1.5m~100m		
Minimum display	VD	1mm/0.1mm		
	Distance	0.1/1cm		
Measuring time		<3"		
Telescope	Magnification	32x		
	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 (USB Interface)	memory	16MB		
	Point number	Increment / decrement / custom		
	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 & Weight		230mm(length)x150mm(wide) x210mm(height), 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.		