

### REPLACE TRADITIONAL OPTICAL AUTOLEVELS

STONEX D1 digital autolevel is the recommended leveling instrument for contractors, builders, professional land surveyors and Engineers who demand accurate leveling every time.

The accuracy of  $\pm 1.5$  mm on a base of 1 Km – double run - makes STONEX D1 the perfect equipment for the 3rd order leveling and for construction industry. Faster automatic measurements – difference in height and distance - are digitally determined: the fully electronic measurement results appear in the clearly visible display window after less than 2 seconds.

### ERROR FREE MEASUREMENTS IMPROVE THE QUALITY OF YOUR FIELD WORKS

The fully automatic measuring ability and digital display excludes any reading errors and other possible human-made errors. Combined to the the increased productivity, up to 50% compared to the performances of a traditional optical level, with all leveling work carried out automatically, will greatly improve your professionalism and profits.

### FAST, FRIENDLY, SMART

You're only required to get the bubble within the black circle on the bubble vial, from there the STONEX D1 automatic compensator takes over and precisely levels itself. Just press the Easy one-touch operation key, and get instantly  $\Delta H$  and HD,

displayed on the LCD display. Using STONEX D1 as distance meter you can get measurements up to 80 m. STONEX D1 features the IP54 certification, it means safe works even in harsh weather conditions. The onboard adjustment program, height difference calculation, inverse staff measuring mode and error checking enable the user to execute the complete calculations set directly in the field.



The handy knobs and the trigger key



The bright LCD display and the complete keyboard

### POWERFUL & ACCURATE

Up to 80 m distance measuring range, 1.5 mm in height accuracy

### FRIENDLY & SMART

Easy one-touch operation button, automatic compensator, complete software on board

### RESISTANT

Water and dust protected with IP54 certification

## KEY FEATURES

## ACCURACY

Standard Deviation (1 km double run - ISO 17123-2)	
Electronic measurement	±1.5mm
Optical measurement	±1.5mm
Distance measuring accuracy	D ≤10m <±10mm D >10m <±0.2 %×D <sup>(1)</sup>

## ELECTRONIC MEASUREMENT

Time for single measurement	< 2s
Measuring range	2-80m
Measuring mode	single, tracking

## DISPLAY RESOLUTION (mm/ft)

Height	1/0.01
Distance	10/0.1

## TELESCOPE

Image	Erect
Magnification	28x
Clear objective aperture	45mm
Field of view at 100m	2.6m
Shortest focusing distance	0.8m

## AUTOMATIC COMPENSATOR

Working range	15'
Setting accuracy	±0.4"

## POWER

Battery (B31-1400)	Li-ion, 2000mAh, 7.4V rechargeable
Continuous operation time	Approx. 40 hours

## MEASUREMENT PROGRAMS

On-board programs	DH, inverse staff measurement, i error checking and adjustment
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## OTHERS

Display	Segment display
Keyboard	Function key board, 6 keys
Interface (for firmware upgrades)	RS-232C
Sensitivity of circular level	8'/2mm
Water and dust protection	IP54
Operating temperature	-20°C ~ +50°C
Net weight	2kg

## WHAT IS IN THE BOX

Stonex D1 Digital Level instrument unit	B3120, flexible barcode tape (2m)
Transport case	Plastic Rain cover
BT32, Li-Ion battery, 7.4V, 2.000mAh	Wrench (2.5mm)
FDJ6-L1, battery charger 110/220V for BT32/BT82/BT 43	Wrench (3mm)
	Adjusting pin

1. Using Stonex fiberglass staff p/n 30-070051

Specifications subject to change without notice



STONEX AUTHORIZED DEALER

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