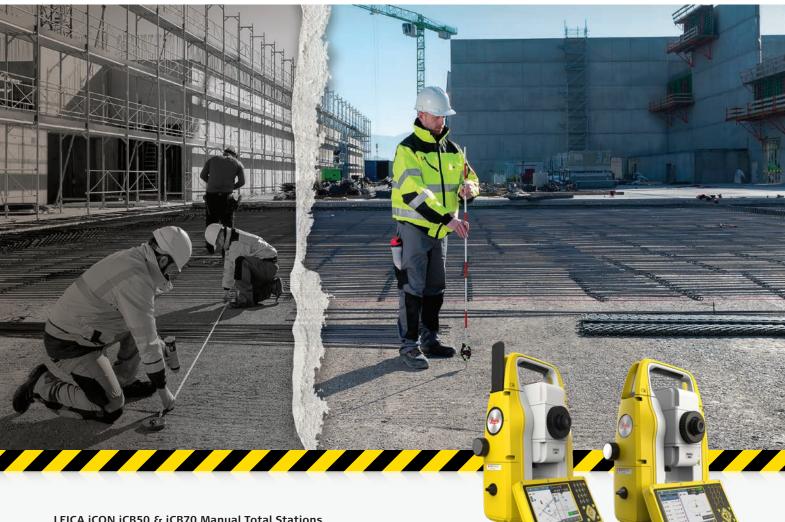
Leica iCON iCB50 & iCB70

Manual total stations for construction

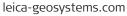


LEICA iCON iCB50 & iCB70 Manual Total Stations

- Go digital: Leica Geosystems manual construction total stations lead the way to the no-strings and no-tapes approach in your construction
- Ease of use: simple to learn and easy to master, the Leica iCB50 and iCB70 help you to complete projects more efficiently with minimal training
- Understanding Construction: Leica Geosystems iCON portfolio offers software and hardware solutions specifically designed for any task in the Building and Heavy Construction segment
- Mobile data: featuring an integrated 4G modem, the iCB70 allows mobile data transfer directly between the design office and the instrument on site.

The new generation of Leica Geosystems' manual construction total stations facilitate your move from conventional analogue layout methods to modern digital workflows. Layout more points per day on your construction project and achieve the productivity and accuracies demanded by the building construction industry. Work with digital design data directly on the instrument, including fully rendered models in IFC file format.















Leica iCON iCB50 & iCB70

ANGULAR MEASUREMENT





Display resolution: 1" (0.3 mpon) Compensator setting accuracy OF 901)	ANGULAR MEASUREMENT			
Quadruple auto compensation Compensation Compensation Compensation setting accuracy (* 0.5" / 1.5") Compensation set	Accuracy Hz and V	Absolute, continuous, diametrical ¹	2" / 5"	1" / 2" / 5"
Prism (GPR), GPR1P: 1.5 m to 3.500 m		 Quadruple axis compensation Compensator setting accuracy²: 0.5" / 1.5" Compensator range: +/- 4' (+/- 0.07 gon) Electronic level resolution: 2" 	~	~
Reflective Tape 60 mm x 60 mm > 250 m	DISTANCE MEASUREMENT	- Circular level sensitivity. 0 / 2 iiiii		
Non-Prism / Any surface RS00 Single prism Si	Range		Х	√
Single prism Single prism Single 2 mm + 1.5 pm (typical 2.4 s)		Non-Prism / Any surface	<i>v</i>	✓4
0 m - 500 m/2 nm + 2 ppm (typical 3 - 6 s)	Accuracy / Measurement time	Single prism ■ Single: 1 mm + 1.5 ppm (typical 2.4 s) ■ Continuous: 3 mm + 1.5 ppm (typical < 0.15 s) Reflective tape 60 mm x 60 mm ■ Single mode: 3 mm + 2 ppm (typical < 2 s)	х	~
As 50 m: 8 mm x 20 mm At 100 m: 16 mm x 25 mm Magnification: 30x Felescope Feled of view: 1'30' / 1.66 gon / 2.7 m at 100 m Felescope			✓	V 4
Relescope Resolving power: 3" of Focusing range: 1.55 m / 5.08 ft to infinity Focusing range: 1.55 m / 5.08 ft	Laser dot size	■ At 50 m: 8 mm x 20 mm	<i>V</i>	V 4
Display and keyboard 2" keyboard 2" keyboard 22 keys 2" key illumination 25 keys 20 key illumination 25 keys 20 key illumination 26 key illumination 27 key illumination 28 key illumination 29 key illumination 29 key illumination 29 key illumination 20 perating time with 2 functions 20 perating time with CBB301 30 perating time with CB301	Telescope	Resolving power: 3"	~	~
Signal and keyboard Signal and keyboard Signal and keyboard Signal and keyboard Signal and key illumination Signal	GENERAL			
2°° keyboard Key illumination V V V Peration Deparation Endless drives for HZ & V Trigger-Key: user definable with 2 functions Exchangeable Lithium-Hon batterys Operating time with GEB31 Operating time with GEB31 Up to 18 h Up to	Display and keyboard		colour, touch,	colour, touch,
Registroom Reg		2nd keyboard		
Endless drives for HZ & V Trigger-Key: user definable with 2 functions Exchangeable Lithium-Ion battery Operating time with CEB361 Operating time with CEB3			<i>y</i>	
Power management Operating time with GEB361 Operating time with GEB361 Operating time with GEB331 Operating time with Up to 9 h Operating time with Operating A 3 h 30 min / 3 h 3 h 30 min / 3 h Operating time with Operating A 3 h 30 min / 3 h Operating time with In A 3 h 30 min / 3 h 3 h 30 min / 3 h Operating time with In A 3 h 30 min / 3 h Operating time with In A 3 h 30 min / 3 h 3	Operation	■ Endless drives for HZ & V	~	~
GKL341 charger for GEB361 / GEB331 3 h 30 min / 3 h 3 h 30 min / 3 h GKL311 charger for GEB361 / GEB331 6 h 30 min / 3 h 30 min / 4 h 30 min / 3 h 30 m	Power management	Operating time with GEB361Operating time with GEB331		
Nominal voltage 13.0 V DC & 16 W max		■ GKL341 charger for GEB361 / GEB331		
Data storage Memory card: 5D card 1 GB USB memory stick: 1 GB RS232°, USB device Bluetooth®7 WLAN® Mobile Data sidecover: LTE-Modem for internet access Accuracy Plumb line deviation: 1.5 mm at 1.5 m instrument height Laserclass 2) Diameter of laser point: 2.5 mm at 1.5 m instrument height Laserclass 2) CON build field software iCON build field software iCON build field software iCON build field software iCON build plus (Iocl. Sketching, Layout Lines, Checks, As-built) CON build plus (Volumes, Cut/Fill, Slopes, Stakeout), Layout Dipects, Hidden Point, Tilted Plane, 2Face and Set, Roading, Drill Pattern, MC Calibration Weight Working temperature range: -20°C to +50°C Dust / Water (IEC 60529) / Humidity: IP66 / 95%, non-condensing			~	<i>v</i>
Interfaces Bluetooth®7 WLAN8 Mobile Data sidecover: LTE-Modem for internet access Accuracy Plumb line deviation: 1.5 mm at 1.5 m instrument height Diameter of laser point: 2.5 mm at 1.5 m instrument height Field software iCON build field software iCON build field software iCON build plus (incl. Sketching, Layout Points, Layout Lines, Checks, As-built) Slopes, Stakeout) Layout Points, Layout Lines, Checks, As-built, Volumes, Cut/Fill, Slopes, Stakeout) Slopes, Stakeout) Autodesk BIM360, Leica ConX, Layout Objects, Hidden Point, Tilted Plane, 2Face and Set, Roading, Drill Pattern, MC Calibration Weight Working temperature range: -20°C to +50°C Dust / Water (IEC 60529) / Humidity: IP66 / 95%, non-condensing	Data storage	■ Memory card: SD card 1 GB	V	V
Accuracy Plumb line deviation: 1.5 mm at 1.5 m instrument height Icon build (incl. Sketching, Layout Points, Layout Lines, Checks, As-built) Icon build field software Icon build field software Icon build plus (volumes, Cut/Fill, Slopes, Stakeout), Layout Objects, Hidden Point, Tilted Plane, 2Face and Set, Roading, Drill Pattern, MC Calibration Weight Working temperature range: -20°C to +50°C Dust / Water (IEC 60529) / Humidity: IP66 / 95%, non-condensing	Interfaces	 Bluetooth®⁷ WLAN⁸ 	×	V
Field software iCON build field software iCON build field software Points, Layout Lines, Checks, As-built, Volumes, Cut/Fill, Slopes, Stakeout), Layout Objects, Hidden Point, Tilted Plane, 2Face and Set, Roading, Drill Pattern, MC Calibration Weight Working temperature range: -20°C to +50°C Environmental specifications° iCON build plus (Volumes, Cut/Fill, Slopes, Stakeout), Layout Objects, Hidden Point, Tilted Plane, 2Face and Set, Roading, Drill Pattern, MC Calibration Layout Points, Layout Lines, Checks, As-built, Volumes, Cut/Fill, Slopes, Stakeout) Layout Points, Layout Lines, Checks, As-built, Volumes, Cut/Fill, Slopes, Stakeout) Layout Points, Layout Lines, Checks, As-built, Volumes, Cut/Fill, Slopes, Stakeout) Autodesk BIM360, Leica ConX, Layout Objects, Hidden Point, Tilted Plane, 2Face and Set, Roading, Drill Pattern, MC Calibration Weight User Working temperature range: -20°C to +50°C Dust / Water (IEC 60529) / Humidity: IP66 / 95%, non-condensing	Laser plummet (Laserclass 2)	Accuracy Plumb line deviation: 1.5 mm at 1.5 m instrument height	· · · · · · · · · · · · · · · · · · ·	~
Fill, Slopes, Stakeout), Layout Objects, Hidden Point, Tilted Plane, 2Face and Set, Roading, Drill Pattern, MC Calibration Weight Working temperature range: -20°C to +50°C Dust / Water (IEC 60529) / Humidity: IP66 / 95%, non-condensing	Field software		Points, Layout Lines, Checks,	Layout Points, Layout Lines, Checks, As-built, Volumes, Cut/Fill,
■ Working temperature range: -20°C to +50°C Environmental ■ Dust / Water (IEC 60529) / Humidity: IP66 / 95%, ron-condensing		■ Software options	Fill, Slopes, Stakeout), Layout Objects, Hidden Point, Tilted Pla- ne, 2Face and Set, Roading, Drill	
■ Working temperature range: -20°C to +50°C Environmental ■ Dust / Water (IEC 60529) / Humidity: IP66 / 95%, ron-condensing	Weight			4.5 kg
	Environmental specifications ⁹	Dust / Water (IEC 60529) / Humidity: IP66 / 95%,	V	V
	-r - ****=*****		V	V

- Legend:
 1. 1" (10.3 mgon), 2" (10.6 mgon), 5" (1.5 mgon)
 2. Angular accuracy / Compensator setting accuracy: 1"/0.5" (0.2 mgon), 2"/0.5" (0.2 mgon), 5"/1.5" (0.5 mgon)
 3. R500: Kodak gray 90% reflective (1.5 m to >500 m), Kodak gray 18% reflective (1.5 m to >200 m)
 4. ICB70 Laserclass 2 model is Prism mode only, without reflectorless measurement and laser pointer
 5. Distance/angle measurement every 30 seconds

- 6. 5 PIN Lemo-0 for power, communication and data transfer
 7. For communication and data transfer
 8. For internet access, communication and data transfer,
 WLAN range up to 200 m
 9. Storage temperature: -40°C to +70°C



Laser radiation, avoid direct eye exposure. Class 3R laser product in accordance with IEC 60825-1:2014.

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Leica Geosystems AG

Heinrich-Wild-Strasse 9435 Heerbrugg, Switzerland +41 71 727 31 31



Integrate with LOC8 - Lock & Locate

For more information visit: leica-geosystems.com/LOC8



✓ = Included • = Optional X = Not available