

CONSTRUCTION | SURVEY CATALOG

A Tradition in Precision - Since 1928



www.KukerRanken.com

Leica
Geosystems

Lasers - The First Upgradeable Lasers



Leica Rugby Chameleon Lasers CLA-ctive / CLH

The first upgradeable lasers - Built to transform

You only pay for the functionality you need to do your job without paying for the extra features that you don't use.

Rugby CLH - Use it as a simple to operate, one-button horizontal laser for concrete and formwork levelling, height checking and transferring, and land levelling application. Upgradeable to manual slope or semi-auto grade functionality.

Rugby CLA-ctive - Use it as a simple to operate, one-button horizontal laser for concrete and formwork levelling, height checking and transferring, and land levelling applications. Upgradeable to vertical rotation and fully automatic grade functionality and Machine Control integration.



We Offer Rentals!
Try before you buy!



Leica CLH Laser



Leica CLA-ctive Laser



Leica Rugby Smart Adapter



Leica CLC Combo

Leica CLH Lasers - Horizontal (All include Battery & Charger)

6012274	Rugby CLH Basic*	Horizontal
6012276	Rugby CLH/CLX200*	Manual grade
6012277	Rugby CLH/CLX300*	Semi auto single grade
6012278	Rugby CLH/CLX400*	Semi auto dual grade

Leica CLA-ctive Lasers - Basic Horizontal & Vertical (All include Battery, Charger, Receiver and Case)

6016027	Rugby CLA-ctive Basic	Horizontal, vertical, flat plane only
6016028	Rugby CLA-ctive CLX250	Horizontal, vertical, manual dual grade 8%, smart targeting
6016029	Rugby CLA-ctive CLX500	Single grade to 15%, full auto
6016031	Rugby CLA-ctive CLX600	Single Auto grade to 15%, axis alignment
6016032	Rugby CLA-ctive CLX700	Dual grade to 15%, full auto and more.

Accessories & Upgrades

864848	*Combo Remote/Receiver - Required for added functionality
864849	Li-Ion Battery Pack for Rugby CLH/CLA/CLI Lasers Only
864855	Smart Adapter for Vertical Operation and Wall Mounting

Functionality Upgrades Sales Permanent

6012288	CLH Upgrade: CLX 200 Single, Single manual grade, 8%, no display
6012289	CLH Upgrade: CLX 300 Incl. CLX 200 plus Dial-in Single grade, Semi-auto to 8% w/display
6012290	CLH Upgrade: CLX 400 Incl. CLX 300 plus Dial-in Dual grade, Semi-auto to 8% w/display

6016027 Rugby CLA-ctive Basic

6012302	CLA-ctive Upgrade: CLX 250, manual grade, self-cal, smart targeting
6012291	CLA-ctive Upgrade: CLX 500: Incl. CLX 250 feat. plus laydown & manual grade
6012292	CLA-ctive Upgrade: CLX 600: Incl. CLX 500 feat. plus full auto single grade to 15%
6012293	CLA-ctive Upgrade: CLX 700: Incl. CLX 600 feat. plus full auto dual grade to 15%

Rugby Chameleon Specs.

	CLH	CLA
Warranty	5Y/2Y knockdown	5Y/2Y knockdown
Grade Capability	8%	15%
Self levelling Range	± 6°	± 6°
Self levelling Accuracy	± 1/16" at 100 ft	± 1/16" at 100 ft
Operating Range w/Combo, RE140/160	4400 ft	4400 ft
Remote Range	1960 ft	1960 ft
Battery Operating Time	50 h	50 h
Battery Charging	5 h (full charge)	5 h (full charge)

Lasers - Rotating



Leica Construction Lasers

Rugby rotating lasers - Construction site ready.

Get the laser to match your application needs.

when it has to be right **Leica**
Geosystems

We Offer
Rentals!



Rugby 610 Laser



Leica CLC Combo



Battery Pack



Receiver Bracket

Leica 600 Series Lasers - Self Levelling Horizontal and vertical options

Rugby 610 package	Horizontal - One button, single axis	
Rugby 620 package	Horizontal with manual grade control	*Packages include: rod-eye receiver, battery pack, charger (640 only), remote (640G only) free aluminum tripod. 3 Year warranty with online registration.
Rugby 640 package	Horizontal & Vertical - Red Beam	
Rugby 640G package	Horizontal & Vertical - Green Beam	
Rugby 680 package	Semi-automatic, dual grade laser	

Options & Accessories

789922	Rod Eye 120	Great receiver for all general construction.
844745	Rod Eye 120G	Designed to capture the green beam
789923	Rod Eye 140	Classic standard receiver with arrow display
789924	Rod Eye 160	Great receiver with digital readout
864848	CLC Combo	Combo Remote and Receiver
835666	Receiver Bracket	Bracket for receivers 120,120G,140,160,180 & CLC
864855	Smart Adapter	Smart adapter for vertical operation and walls
790415	A600	Li-Ion Battery Pack (for Rugby 600 series)
790416	A800	Li-Ion Battery Pack (for Rugby 800 series)
790417	A100	Li-Ion Charger (for Rugby 600/800 series)
790419	A150	Alkaline Pack (holder for rugby 600/800 series)
DH01-012-BLK		Dutch Hill Aluminum Quick-Clamp Tripod, Black
5301-25-BLK		Seco Aluminum Tripod



Rugby Laser Specs.	610	620	640	640G	680
Functionality	Self-leveling horizontal, One button laser	Self-leveling horizontal, & manual slope in one axis	Self-leveling horizontal, vertical, 90° & manual slope in dual axis	Self-leveling horizontal, vertical 90° & manual slope in dual axis	Self-levelling horizontal, dial-in grade in dual axis
Self levelling Range			± 5°		
Grade Range	-	-	-	-	± 8° DG
Self levelling Accuracy	± 3/32" at 100ft	± 3/32" at 100ft	± 3/32" at 100ft	± 3/32" at 100ft	± 1/16" at 100 ft
Scanning Modes	-	-	10°, 45°, 90°	10°, 45°, 90°	-
Remote Range					
RE120 / 120G	2,600 ft	2,600 ft	1,650 ft	1,300 ft	2,950 ft
RE140 / 160	3,600 ft	3,600 ft	2,000 ft	-	3,600 ft
Battery life (alkaline / li-ion)			60 h / 40 h		
Warranty	Manufacturer's Warranty: Lifetime - No Cost period: 3 years				

Leica Piper 100/200 Red & Green Beam Pipe Lasers

Compact pipe lasers for storm and sanitary sewer jobs.

Built with a rugged aluminum housing, these pipe lasers perform powerfully even in tough jobsite conditions. The Leica Piper is the only pipe laser that fits inside a 100 mm (4 inch) pipe. Great for second-day setups, the Alignmaster function of the Piper 200 seeks and finds the target.

- when it has to be right

We Offer Rentals!
Try before you buy!

Leica Piper 100 Package - Piper 100, remote, target, holder, Li-ion battery. Charger, car adapter, 150 mm (6") feet, and carrying case.

748704 Piper 100 Package

Leica Piper 200 Package - Great for second-day setups. The Alignmaster function seeks and finds the target. Includes same items as Piper 100 package.

748710 Piper 200 Package with Alignmaster

Leica Piper Green Beam Pipe Lasers - includes same items as Piper 100 package.

6016058 Leica Piper 100G/3R with 150mm ft, IR remote, target, charger and battery

6016958 Leica Piper 200G/3R with Alignmaster 150mm ft, IR remote, target, charger and battery



Piper 100



Piper 200



Piper 200 Green beam

Leica Piper Accessories

746157 IR Remote Control

725858 Target Assembly

815613 Target Assembly 100 mm / 4" - red

746158 Trivet Assembly

746159 Mounting Bracket

746161 Foot 6" / 150mm (4 required)

746162 Foot 8" / 200mm (4 required)

746163 Foot 9" / 225mm (4 required)

746164 Foot 10" / 250mm (4 required)

746165 Foot 12" / 300mm (4 required)



IR Remote



Target Assembly

Technical Data

Technical Data	Piper 100 / 200
Laser Type	635 nm (red), laser class 3R / 520nm (green), laser class 3R
Laser output	4.75 mW maximum
Working range / Grade range	200 m (650 ft) / -10% to +25%
Self-leveling range	-15% to +30%
Line movement	6 m at 30 m (20 ft at 100 ft)
Battery type*	Lithium-Ion, 7.4 V/3.8 Ah
Operation/charge	40 h/4 h
Operating temperature range	-20°C to +50°C (-4° to +122° F)
Dimensions (diameter x length)	96 x 267 mm (3.8 in x 10.5 in)
Weight / Construction	2 kg (4.4 lbs) / Cast aluminium
Wireless remote	Front, up to 150 m (500 ft) – Back, up to 10 m (35 ft)
PROTECT service offering	Manufacturer's Warranty: Lifetime No Cost period: 2 years / extendable by 3 years if purchase


Levels & Machine Control



Automatic Levels - Nitrogen filled, IP57 (submersible), 3 Year Warranty with registration.*

The Leica NA700 levels defy the toughest of building site environments. Save time and money with no need for regular checks in the workshop or constant readjustment. When it comes to extreme robustness and optimum measuring accuracy, the Leica NA700 levels are hard to beat.

- when it has to be right

	NA720 (641982)	NA724 (641983)	NA730 plus (833190)
Magnification	20X	24X	30X
Telescope	Upright		
Nitrogen filled	Yes		
Lens diameter	30mm	36mm	40mm
Horizontal drive	Both sides, endless		
Accuracy	2.5mm	2mm	.7mm
IP rating	IP57 (submersible)		



PROTECT is subject to the Leica Geosystems International Limited Warranty and the General Terms and Conditions for PROTECT, which you can find at: www.leica-geosystems.com/protect.

*Available through free online registration within 8 weeks of purchase.

Machine Receivers



The Leica MC200 Depthmaster is an ideal tool for any kind of height control for excavators. Simply turn the excavator dipper into an integrated measuring stick without having to leave the cabin. It is simple to set-up and can be used with any rotating laser. Mounts either to a standard excavator or backhoe - even levelling work can be done with the same sensor.

- Ultra-bright LED displays (front & back)
- 100 % waterproof
- Constant accuracy band control



The LMR 360 offers accurate grade information for all visual machine control applications. Large 360° detection window picks up any rotating laser, from any angle. Built-in vertical indicator monitors angle of the stick, signaling if it's plumb or under- or overextended. Vertical position ensures consistent and accurate grade readings, saving money by reducing over- or under-cutting.

- Accurate grade control
- Built-in vertical indicator
- Waterproof

- when it has to be right

Leica Machine Receivers - Highly accurate grade control (All have 100' remote range)

742440	MC200	Depthmaster with Magnetic Bracket - 650' range, NiCd Rech.
742438	MC200	Depthmaster with Clamp-on Bracket - 650' range, NiCd Rech.
773569	LMR240	240 Machine Receiver, Mag. - 750' range , 3X AA batteries
6003354	LMR360R	Receiver with clamps, charger, NiMH batteries, case and manual
6003355	LMR360R	Receiver with magnetic brackets, charger, NiMH batteries, case and manual

Lasers - Disto and Lino, Line & Point Lasers



DISTO



Leica Disto Lasers Bluetooth Three-Year warranty after online registration.



Model	Part Number	Description	Accuracy	Range
X6 P2P Package	950878	Point to Point laser measure to capture data for CAD	1/16"	820'
X6	950909	Extremely rugged handheld measuring	1/16"	820'
D5	950908	Indoor and outdoor laser measuring	1/16"	660'
X3	850834	Designed for tough, rugged conditions	1/16"	500'
D2	838725	Compact device - long range	1/16"	330'
E7100i	812806	Pocket sized for added convenience.	1/16"	200'
D1	846805	Professional laser measuring for all	1/8"	130'

Leica Lino Lasers

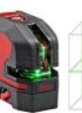
Set-up, switch-on and start working.

Leica Lino lasers project lines or points to millimetre accuracy, making it easier for you to get the job done right. All Leica Lino lasers are self-levelling, so you can set-up, switch on and start working.

Three-Year warranty after online registration.

Leica Lino L6R and L6G

The Leica Lino L6R and L6G self-levelling red and green multi-line lasers. Working range up to 230 feet in diameter. IP54 rating, great for jobsites. Multi-directional alignment.



L4P1

P5

L2P5G

L2P5

L2G

L2

L6Rs 918976
L6R 912969

L6Gs 918977
L6G 912971

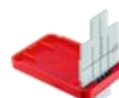
Model	Part No.	Description	Leveling accuracy	Range
L4P1	834838	Powerful & versatile 4 lines and 1 plumb point	± 0.2 mm/m	50'
P5	864427	Forget about plumb bobs or strings. 5 points	± 0.2 mm/m	100'
L2P5G	864435	Easy to see. 2 green lines and 5 green points.	± 0.2 mm/m	115'
L2P5	864431	Combining 2 red lines and 5 red points	± 0.2 mm/m	82'
L2G	864420	Cross line laser featuring 2 green lines.	± 0.2 mm/m	115'
L2	864413	Easy to use with 2 red lines.	± 0.2 mm/m	82'

Accessories for DISTO™ and Lino

Tri70 Tripod	794963	
Tri100 Tripod	757938	XCR Catch Receiver 842018
Tri200 Tripod	848788	RGR200 Receiver 866090
GLB30 Glasses	780117	RVL80 Receiver 838757
GZM3 Target	820943	GZM26 Target 723385



GZM3 Target



GZM3 Target



GLB30 Glasses



Tri70



Tri100



Tri200



Our most popular heavy duty field supplies for daily work.



Kuker Ranken Hand Levels

Kuker-Ranken 2x Hand Levels are hand-finished for smooth and accurate operation with etched glass prisms and precision ground lenses. There are no exposed screws to cause adjustment failure. When taken apart for cleaning, they can be completely assembled and adjusted in the field. The interiors are non-glare. Includes leather case.



Kuker Ranken Rainier Vest

The Big Sky Vest is now the Kuker Ranken **Rainier Vest**. We've re-designed this vest based on customer input and current needs. This redesigned vest is made of Urethane Coated 1000 Denier Cordura® Nylon. This is a tough, durable, long lasting fabric that can withstand all weather. Rugged, double stitched, Class 2.



Party Chief Safety Vest

PC15X Party Chief Survey vest with full reflective "X" BACK striping design. ANSI 107/CSA Z-96 compliant for use in the US, Canada and all across North America. Features: heavy duty 500/600D material, hammer hangers and padded shoulders.



Seco 8265 Safety, Class 2 Utility Vest

Meets ANSI/ISEA Class 2 requirements. Made of durable polyester, brass grommets, heavy duty webbing and trim. Sizes Medium to 4X. Fluorescent Orange.



ChrisNik
LEAVING OUR MARK ON THE WORLD

The **MAG Nail** has also been coated with an environmentally friendly zinc and clear chromate to resist corrosion. MAG Nail is your replacement survey nail for PK or Parker Kalon.

Part No.	Descr.
247500	3/4"x1/8" 100/bx
241000	5/32"x1" 100/bx
341250	3/16"x1-1/4" 100/bx
241500	1/4"x1-1/2" 100/bx
242000	1/4"x2" 100/bx
242500	1/4"x2-1/2" 100/bx
243500	3 1/2"x 1/4" 100/bx



Hard Hats - MSA

Front brim, standard hard hats. Superior top impact protection. Built for use by utilities, oil, gas and other areas where head protection is needed. Made of durable polycarbonate. White, Yellow, Orange, Blue and Pink



Our most popular heavy duty field supplies for daily work.



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Hard Hats - MSA

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247500	3/4"x1/8"	100/bx
241000	5/32"x1"	100/bx
341250	3/16"x1-1/4"	100/bx
241500	1/4"x1-1/2"	100/bx
242000	1/4"x2"	100/bx
242500	1/4"x2-1/2"	100/bx
243500	3 1/2"x 1/4"	100/bx

Hand Tools

Scribes

KCS	Premium Scribe with magnet
KPS	Premium Scribe
KGS	Giant Scribe

Machete's

33683	22" Machete Blade
33684	24" Machete Blade
33650	22" Machete Sheath
33670	24" Machete Sheath

LimeTops

17-GAD18	18" GAD
17-FPY18FY	18" Frost Pin
17-MCP32-FH	32" Manhole

RedTops

4418GD	18" GAD
4418RT	18" Frost Pin
4432DP	32" Manhole Pick

Heavy Tools

17-EWB3-4LB	4lb. Sledge Hammer
E3-16S	16oz. Rip Hammer
E3-22p	14oz. Rock Pick



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Wire Flags - W4530

White

Plumb Bobs

6000-012	Seco Plumb Bob 12oz.
6000-014	Seco Plumb Bob 14oz.
6000-016	Seco Plumb Bob 16oz.
6000-018	Seco Plumb Bob 18oz.
6000-024	Seco Plumb Bob 24oz.



Field Supplies



Copy or laser print your own all-weather forms: Charts, Maps and Worksheets on patented Rite in the Rain All Weather Copier paper. 200 pages.

Part#:
#8511
#8517

- 301FX Stapled Notebook - Field Flex - Transit 3/pk
- 311FX Stapled Notebook - Field Flex - Level 3/pk
- 351FX Stapled Notebook - Field Flex - Field 3/pk
- 391FX Stapled Notebook - Field Flex - Journal 3/pk
- 300F Bound Book - Fabrikoid Cover - Transit
- 310F Bound Book - Fabrikoid Cover - Level
- 350F Bound Book - Fabrikoid Cover - Field
- 390F Bound Book - Fabrikoid Cover - Journal

Rite in the Rain

Durable Clicker Pens
Write on wet paper, upside down and won't leak.

Part#

#OR97 - Orange Pen, Black Ink
#BK13 - Black Ink
#97B - Blue Ink
#97 - Black Ink



Mechanix Wear Gloves

Designed for Mechanics, construction workers, trade professionals, service members and law enforcement. Provides protection from Cuts, Abrasion, Impact, Heat & Liquids. Utility, Nitril, Durahide, HI-Viz and M-Pact.



Komelon Measuring Tapes

use a vertically integrated manufacturing process utilizes the highest grade materials to insure an accurate, long-lasting tool that is guaranteed to withstand the harshest of work environments.



AerVOE Survey Marking Paint

A superior upside-down marking paint designed for survey marking. Clear, Red, Yellow, Blue, Green, Orange, Black, White, Silver, Purple, Red-Glo, Orange-Glo, Green-Glo, Yellow-Glo, Blue-glo and Pink-Glo



Part No.	Descr.
SL2812	5/8"x12' Ft/Inches
SL2825IE	1"x25' Inch/Engr.
7125IE	1"x25' Inch/Engr.
425IEHV	1"x25' Inch/Engr.
433IEHV	1"x33' Inch/Engr.
6611	1/2"x100' Inch/Engr.
6622	1/2"x200' Inch/Engr.
6633	1/2"x300' Inch/Engr.



Seymour Ground Marking Paint

A solvent or non-solvent ground marking paint with fast-drying properties, vivid colors and non-clogging spray nozzle.



Presco Roll Flagging

-20F temperature resistance for superior weathering qualities. 2.0 mil for Standard Colors and 3.0 mil for Glo colors. Texas Grade - standard & glo Red, blue, yellow, orange, green, white, red-glo, yellow-glo, orange-glo, green-glo, blue-glo, pink-glo & lime-glo

Wood



Part No.	Descr.
2x2x6	6" Hubs 25/bndl
2x2x8	8" Hubs 25/bndl
2x2x10	10" Hubs 25/bndl
2x2x12	12" Hubs 25/bndl
2x2x18	18" Hubs 25/bndl
2x2x24	24" Hubs 25/bndl
Lath 24	24" Lath 50/bndl
Lath 36	36" Lath 50/bndl
Lath 48	48" Lath 50/bndl
1x2x18	18" Stakes 50/bndl
1x2x24	24" Stakes 50/bndl
24" Wood Lot Board	25/bndl



Stake Chasers

Our stake chasers are designed for maximum visibility and durability. 6" with steel loop. White, orange, yellow, red, blue, pink, green-glo, orange-glo

Surveying & Construction Accessories



92XXX Series 98010 Series

Part Number	Description
92001	8' Fiberglass Rods 10ths, Square
92021	13' Fiberglass Rods 10ths, Square
92041	16' Fiberglass Rods 10ths, Square
92032	20' Fiberglass Rods 10ths, Square
98010*	25' Fiberglass Rod 10ths, Rectangular-Oval, Surveyors Series



Features rectangular shape with rounded back corners for better gripping. Scale width is graduated to fill the entire face of the rod. Strong fiberglass, waterproof, corrosion-resistant and non-conductive. Features a 1/4 x 20 female adapter in the top section.

*98010 is a rectangular-oval shape which allows for wide, glare-resistant and wear-resistant scales

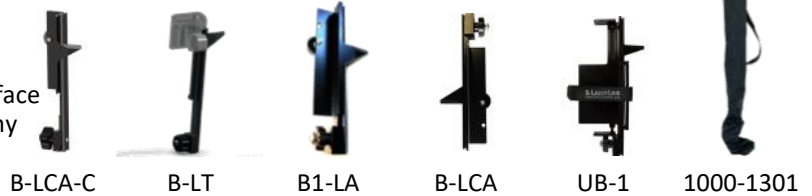
Direct Reading (Lenker Style) Grade Rods

These Lenker Style Grade Rods feature a moveable tape face allowing you to set the actual benchmark elevation, or any elevation, above or below the bench into the rod



GR1000
10' Direct Reading Rod
Feet, Tenths, Hundredths
With cut & fill

GR1000T
10' Direct Reading Rod
Feet, Tenths, Hundredth
LASERLINE MFG, INC.



Part#	Description
B-LCA-C	Leica Bracket for Leica CLC Detectors
B-LT	AGL LS-100, Apache Lightning 2, Twister, Futura, Laser Reference R8, Leica RE-Plus, Sokkia MLR, Trimble HR250, 320, 350
B1-LA	Apache Cyclone, Leica RE Pro/Classic, Topcon LS100D
UB-1	Universal Bracket—Virtually all detectors
B1	AGL LS-4, Apache 34/44 Lightning, CST Berger LD100/120/200/400, DW LD18, Laser Alignment 4/5/6/7/8, Laser Reference R4/R5/R7, Nikon3, DS-30, LS-6, Sokkia, Spectra, Trimble HR200
B1-LS70/80	Futura CR3, Topcon LS30, LS50. LS70, LS80, LS1
B-Storm	Apache Storm, Future CR4, Leica RE/Digital
1000-1301	10' Lenker Rod Black Cordova Carry Bag



Nedo 660050
Leica Prism
adapter



Nedo 061837
5/8" to 3/8"
Tripod Adapter



Nedo 660030
Tripod Dolly
Lockable/Steerable



Nedo 210710
Elevating Tripod w/4
extension tubes



726-831 Leica GST101
Heavy Duty Wood
Tripod Extends to 65"



Dutch Hill GT2000A
Fiberglass Composite
Tripod Extends to 72"



Tri-Max 90550
Heavy Duty Fiberglass
Tripod Extends to 71"



Dutch Hill DH01-012-BLK
Heavy Duty Aluminum
Tripod Extends to 63"



667-301 Leica GST120-9
Heavy Duty Wood
Tripod Extends to 70.8"

Leica Robotic Total Stations



Automated Total Stations for the widest variety of measurement tasks and applications



Leica Nova MS60 MultiStation

The scanning robotic total station

The MS60 is a scanning total station that empowers complete data collection of individual points and large areas by leveraging sensor fusion and automation. Seamlessly integrated into Leica field and office surveying software, you can quickly complete your work on-site and offer a range of high-value deliverables.

- **Surfaces and volumes** in construction and mining, soil heaps and stockpiles, DTM creation and checking surfaces, material thickness, blast faces and ground levels
- **Analysis of complex structures and objects within plant, marine and utility projects:** dimensional control, as-built and record keeping

- Highest-end total station
- 3D laser scanning
- GNSS connectivity
- Digital imaging



Leica MS60

Leica TS16 Robotic Total Station

Self-learning, survey-grade total station for all conditions.

Made to face any challenge, task or project, the Leica TS16 automated total station will reliably support you and deliver accurate data when and where you need it. With the engaging Leica Captivate field software, paired with the self-learning ATRplus for automatic target recognition under any environmental circumstance, the TS16 can tackle every task with ease.

- **Best-in-class automated total station for the widest variety of measurement tasks and applications:** including one-person or two-person instrument operation for surveying and stakeout.
- **Topographic surveying to create digital reality for mapping:** control point measurements, adjustments, computations, and data collection with powerful coding and line work routines.



Leica TS16

Leica TS13 Mid-Range Robotic Total Station

Combining efficiency, reliability and scalability for all surveying applications.

The Leica TS13 is a mid-range robotic total station. It is a scalable robotic total station, powered by Leica Captivate field software and can be connected to a Leica CS20 field controller. It can be upgraded at any time to benefit from additional functionalities.

- **Efficient data collection for mapping projects:** measurements, adjustments, and computations – all supported by powerful coding and linework routines.
- **Easy-to-use and data-centric field software:** efficient data collection, management, visualisation, import and export.
- **Upgradeable total station for measurement and layout tasks:** starting with two-person, scalable to one-person operation.



Leica TS13

Leica Flexline TS03/TS07/TS10 Manual Total Stations

Best in class and easy to use.

The FlexLine TS10 is equipped with Leica Captivate field software, enabling you to tie into the modern 3D dataflow – including enhanced linework and coding. The new Leica FlexLine manual total stations work reliably and deliver accurate results even in harsh environments.



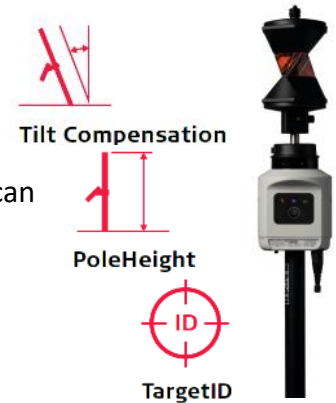
Leica Surveying Equipment



Leica AP20 AutoPole The world's smartest pole

Leica AP20 AutoPole is the only smart system on the market that solves three common workflow problems surveying and construction professionals face daily: Entering the pole height manually into the field software, having to level the pole and accidentally locking to a foreign target at a busy site.

- Increase productivity and efficiency with **Tilt Compensation**, which removes the need to level the pole.
- **PoleHeight** functionality will update the height for you automatically as the pole height changes to ensure reliable and accurate measurements.
- **TargetID** feature! Automatic target search, identification and lock on your target prevents locking to foreign targets and avoids work interruptions that can occur on a busy site.
- Accuracy in height: +/- 1.0mm
- Tilt range: +/- 180°
- Range to Total Station: Typically 300m
- Number of different IDs: 16
- IP67 Dust and Water Resistance



- when it has to be **right** **Leica**
Geosystems



Leica GS18

Leica GS18/I/T GNSS RTK Rover with Visual Positioning
Now, you can quickly capture the site in images and measure points from them, either in the field or later in the office. Measure points with obstructed view to the sky.

- Self-learning GNSS
- 99.99% Reliability
- Storage - SD Card
- IP68 Dust/Water Resistance
- 6 hour battery life



Leica CS20

Leica CS20 Field Controller
With the CS20, you are in complete control and can take your entire office on the go. It provides you with an intuitive user experience and makes your measuring tasks enjoyable.

- Win EC7 / 2GB Ram
- 4GB Internal storage
- 5" Touch Screen
- IP68 Dust/Water Resistance
- 8 hour battery life.



Leica CS30

Leica CS30 All-A-Round Field Controller. The Leica CS30 is small enough to take anywhere but has the power to perform a variety of survey jobs, use imaging sensors and work with drawings.

- Win 10 Enterprise LTSC 64bit
- 4GB Memory (RAM)
- 64GB eMMC Storage
- 7" Sunlight-Readable Screen
- IP6x Dust/Water Resistance

Total Stations and Theodolites



Leica iCON iCT30 Construction Layout Tool

High-performance construction layout tool for building construction layout applications

With the continued trend towards digitalization and Building Information Modeling (BIM) in the Building Construction Industry, layout methods and processes are crucial. The Leica iCON Layout Tool is Made for Construction. It's equipped with the well-established and construction tailored field software Leica iCON build, the iCT30 meets most requirements for layout applications and as-built checks. Highly accurate and extremely durable.

- Move away from conventional analogue layout methods and easily adopt modern digital layout
- Increase productivity due to one-person operation of the iCON iCT30
- Layout lines for various foundation, structure and building exterior applications
- Layout interior drywall and insulation installations
- MEP layout of hanger locations for HVAC and duct work, inserts and slits for sheet metal work
- Fully automatic layout routines of points on floor or ceiling and lines for pipe wall penetrations
- Effectively do as-built checks and control measurements in vertical construction



No. 879463

Leica iCON iCR70 / iCR80 - Robotic Construction Total Stations

Super-modern technology for good old-fashioned accuracy.

Prepare and execute construction tasks faster, simpler and more accurately. This robot, tailored to your construction needs, is designed for one-person operation, giving you approximately an eighty per cent increase of productivity over other conventional layout practices. The **iCR70 and iCR80** can be used by the existing construction workforce with minimal training and do not disrupt existing construction processes.

- Layout lines for footings or chalk line for formwork on foundation
- Layout points on blinding layer such as pipe insert or cut-outs before pouring concrete
- MEP layout of hanger locations for HVAC and duct work, inserts and slits for sheet metal work
- Fully automatic layout routines of points on floor or ceiling and lines for pipe wall penetrations



iCR70 No. 866351
iCR80 No. 866360

Leica Field and Office Software - Leica iCON site software offers you smart and customized positioning solutions for road construction and civil engineering applications.

- **Leica iCon Site** - Construction Software: Custom-built solutions for road construction
- **Leica iCon Build** - Construction Software: Intuitive software package for building constructive applications
- **Leica iCon Prep** - Office Software: The ultimate construction data preparation software



David White Digital Transit Theodolite with Laser Plummet

30X Power Magnification | 5" Accuracy | Dual Digital Display | Water Resistant

The David White DT8 Digital Transit Theodolite gives you accurate measurement for a wide range of construction and survey applications.

- Incremental encoding detection system with dual digital displays and automatic power shut-off
- Laser plummet for centering of point
- Coaxial tangent and clamp screws provide ease of use in sighting and alignment
- Built-in battery pack can be attached and detached by a single action
- Water resistant, sealed construction

Includes: instrument, sunshade, tool kit, rain cover, plumb bob, carrying case, rechargeable battery pack/charger, alkaline battery tray, user manual



No. 46-D8896

Detection Equipment



Magnetic Locators

"Magnetic Locators are the quick and easy way to find ferrous and now non-ferrous materials both above and underground."



Schonstedt GA-52CX **Schonstedt Maggie** **Subsurface ML-3SY** **Subsurface AML Pro**

Detects the magnetic field of iron and steel objects. Great for locating Mag & PK Nails, Manhole Covers, Steel Pipes and Septic Tanks, Corner Markers, Well Casings and more...

Find buried PVC/PE Pipes using GPS and advanced digital technology

Power:	2X 9V Batteries / 40 hrs	1X 9V Battery / 24 hours	3X 9V Batteries / 40 hrs.	3X 9V Batteries / 25 hrs.
Length/Weight:	42" length	32.5"	40"	14" / 2.5lbs
Warranty:	7 Year Warranty			3 Year Warranty

Leica C-Thru

Utility Detection | Precision Utility Tracing | Cable Locating

All-in-one GPR for accurate scanning and real time analysis of concrete structures. See through concrete structures and reveal true data.

Finds:

Rebar, Voids, Post-Tension Cables, Cavities, Conduits More... Call for your customized quote.



Leica DD100 / DD220 & DD230 Series

Locate Underground Cables and Pipes

The Leica DD100/DD200 locators feature easy to use controls for the detection of buried cables and pipes before excavation work.

Finds:

Cast Iron Water, Cast Iron, Gas, Telecom Lines, Power Lines, More... Call for your customized quote.



Leica GPR - DS2000 & DSX Series

Ground Penetrating Radar & Utility Detection Solutions

There's a lot going on underground that you need to know about before you ever start to dig.

Leica Utility Detection Equipment finds all potential threats, including non-conductive pipes and fibre optics, increasing safety by lowering the risk of accidentally hitting underground assets.

Unmanned Surface Vessels (USV / ROV)

Bathymetric surveying

Seafloor has been building Unmanned Surface Vessels (USVs) for over a decade.

They lead the market with dynamic platforms that extend the capabilities of traditional survey equipment, enabling surveyors to remotely analyze otherwise challenging environments. Sea-floor's turn-key USV platforms integrate professional-grade technology to efficiently conduct missions on water.



Field Supplies & Accessories



8080-00-ORG
Triple Prism Bag



8130-00-ORG
Tall Triple Prism Bag



8100-20-ORG
36" Rhinotek Lath Bag



8101-20-ORG
48" Rhinotek Lath Bag



8153-10-ORG
Extra Large Tripod Bag



8180-20-ORG
Heavy Duty Prism Pole Tripod Bag



8121-00-ORG
Top Loading Total Station Field Case



09-2122-GT
2 Meter Aluminum Snap-Loc Rover 10ths



09-2222-GT
2.2 Meter Carbon fiber Snap-Loc Rover 10ths



5128-00
2 Meter two-piece Rover Rod Carbon Fiber



07-4047
Mini Stake Out Rod 4.7" 5/8x11 threaded stud



8102-00-ORG
33" Large Lath Bag



641615
GMP111 Mini Prism with holder. Has a 4 section pole and prism with a constant of +17.5 mm



07-4001
Mini Stake Out Rod 1.28" 5/8x11 threaded tip 1-1/4" OD

07-4160

Mini Prism Pole Bipod 10" Aluminum Legs Holds poles 1" to 1.25"



Seco 5217-04-RED
Thumb-Release Bipod No-crush bipod head for poles from 1 to 1.25 inches Extends to 6 feet



385500
GLS11 2.15 Reflector Pole 10ths and Metric



754391 GLS12 2m (cm)
754389 GLS12F 2m (ft)
Telescopic Pole "Snap Locks" at 2M



667310
GLS112 3.65m Reflector Pole CM and Feet



752292
GLS30 Carbon Fiber Pole 1.8m and 2m "Snap Lock" 5/8" Screw



796-130
CRP3 Telescoping Carbon Fiber/Alum. Pole 10ths/100ths



Field Supplies - Targets, Prisms and Carriers



503010

KR Reflective Adh. Targets 30x30mm Yellow 18/pk



503011

KR Reflective Adh. Targets 30x30mm Orange 18/pk



503015

KR Reflective Adh. Targets 40x40mm Yellow 12/pk



503016

KR Reflective Adh. Targets 40x40mm Orange 12/pk



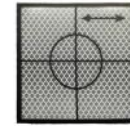
503060

KR Reflective Adh. Targets 24x24mm Silver 35/pk



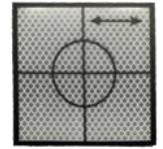
503065

KR Reflective Adh. Targets 44x44mm Silver 12/pk



503070

KR Reflective Adh. Targets 64x64mm Silver 10/pk



503080

KR Reflective Adh. Targets 104x104mm Silver 1/pk



754384

Leica GRZ122

360° Reflector with 5/8" Threaded adapter allows connectivity to the Leica SmartAntenna



639985

Leica GRZ4

Leica 360° prism with 5/8-inch thread adapter. For all robotic work with a survey pole. 2,000 foot working range and a prism constant of 23.1mm



763532

Leica Adhesive Reflective Targets 20mm x 20mm 20/pk



763533

Leica Adhesive Reflective Targets 40mm x 40mm 20/pk



763534

Leica Adhesive Reflective Targets 60mm x 60mm 20/pk



641618

Leica GPR111

Basic Circular Tilting Prism with holder and target. Absolute prism constant is -34.4mm. Leica prism offset is 0.0mm. Uses Leica Snap-on stud mount.



641617

Leica GPR121

Leica Pro Circular Prism with Holder. Made with high quality for strict working conditions.



03-RT20MM

Sitepro Reflective Retro Adhesive Targets 20mm x 20mm 10/pk



03-RT40MM

Sitepro Reflective Retro Adhesive Targets 40mm x 40mm 10/pk



03-RT60MM

Sitepro Reflective Retro Adhesive Targets 60mm x 60mm 10/pk



6602-02

Seco 25 mm L-Bar Mini Copper-Coated Prism. Ideal for deformation and mining surveys or where permanent mounting is needed.



6605-05

Seco 25 mm L-Bar Mini Silver-Coated Prism. Ideal for deformation and mining surveys or where permanent mounting is needed.



8126-20 Sokkia Plastic Plumb Line Target
2" x 4" Red & White Notched for Plumb Line



5080 Duramark Paper Survey Targets
5" x 8" Red & White Adhesive Back 25/pk



2540 Duramark Paper Survey Targets
2-1/2" x 4" Red & White Adhesive back, 25/pk



7010 Duramark Paper Survey Targets
7" x 10" Black & White Adhesive Back 25/pk

Tribrachs, Equipment and Accessories



777508
Leica GDF321
Leica Professional 5000 series green tribrach without optical plummet.



777509
Leica GDF322
Leica Professional 5000 green tribrach with optical plummet



777970
Leica GDF323
Leica PRO tribrach black without optical plummet



05-1201-B
SitePro Eurostyle Tribrach with 8-min circular vial, black w/ out optical plummet



05-1300-B
SitePro Eurostyle Tribrach with 8-min circular vial and laser plummet



8071-00-ORG
Seco Tribrach Case

Protect and transport your tribrach as you move from job to job. Easily holds a tribrach. Measures: 6 x 6 x 2 in
Bright Orange
Weighs .40 lbs.

ZIPLEVEL PRO-2000 High Precision Altimeter



Replaces Rotary Lasers as the World's Fastest, Easiest, most Powerful, Precise and Only Pressurized Bubble Free level.

- High Precision Function
- Compact Design allows instant set-up and easy storage.
- One-person operation
- Measure over any distance or elevation without math.



2010-00
Seco Fixed Tribrach Adapter. Use this adapter for mounting retro prisms and tripod mounted target systems.



2020-00
Seco Rotating Tribrach Adapter. This rotating friction top adapter allows the prism to be pointed after installation in the tribrach.



2070-00
Seco Rotating Swiss-Style Tribrach Adapter. This adapts retro prisms to Swiss-style tribrachs. Fits all tribrachs.



667216
Leica GRT146
Carrier with 5/8" Thread
Perfect for tribrachs with optical plummet



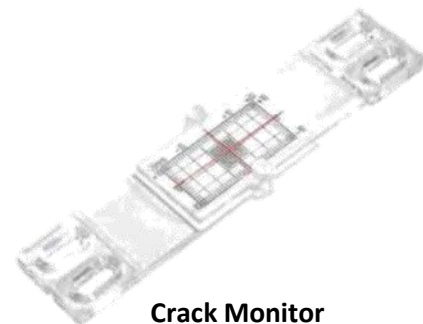
667313
Leica GRT144
Tribrach adapter carrier for snap-in prisms and antennas



2001-00



2001-00



Crack Monitor

Monitoring crack widths in concrete buildings, bridges, and roads is easy and reliable with this Concrete Crack Monitor. This allows for an easy, precise determination of structural foundation movement

Emlid REACH RS3 / Reach RS2+ / REACH RX



Emlid RX Network RTK rover
Emlid Reach RS2+ Multi-band RTK GNSS
Emlid Reach RS3 RTK GNSS w/tilt compensation



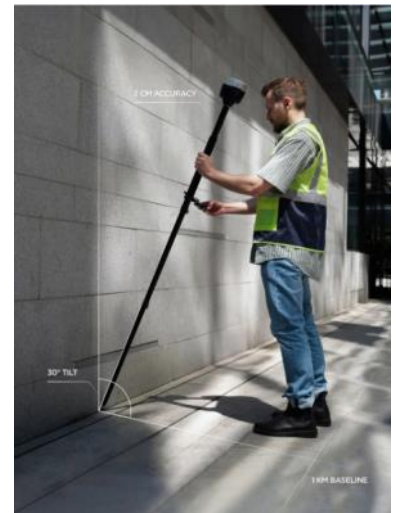
Emlid REACH RS3

RTK GNSS receiver with tilt compensation
Survey grade precision, even in hard-to-reach spots

- Multi-band base and rover
- IMU tilt compensation
- LTE modem
- Dual-band radio



Get a fix in 5 seconds. Reach RS3 gets a centimeter-accurate solution in about 5 seconds. It maintains robust performance even when the sky view is partially obstructed, or the receiver itself is tilted. RINEX logging and PPP support | Up to 22 hours on 1 charge | Built-in LTE modem.



Emlid Reach RS2+

Multi-band RTK GNSS receiver with centimeter precision. For surveying, mapping and navigation. Comes with a mobile app. Reach RS2+ gets a fixed solution in just seconds and maintains robust performance even in challenging conditions.

- Gets a fix in seconds
- PPP Support
- Built in LTE modem
- 22 hours on 1 charge
- NTRIP or another Reach as a base station
- IP67 / -20 to +65 °C / Polycarbonate body



Emlid REACH RX

Network RTK rover with centimeter accuracy

Pocket-sized and lightweight receiver. Works with NTRIP corrections. Easy to set up: just add NTRIP. Reach RX uses Bluetooth allowing you to connect and start surveying in a few seconds.

Key Specifications:

- Li-Ion battery 16 hours of work
- IP68 Rating
- Export to CSV, DXF and Shapefile
- Pocket-sized and lightweight
- Centimeter accurate data
- Coordinate systems based on WGS84, NAD83, GDA2020 and others.



High Definition Scanning (HDS)



Leica ScanStation P50

The fastest and safest, long-range 3D laser scanner.

High Performance | Scan inaccessible places | Complete Scanning Solution

For industry professionals looking to scan inaccessible places and find new business opportunities, Leica ScanStation P50 is the fastest and safest, long range 3D laser scanner. Unlike any other laser scanner, the P50 solution maximises productivity by scanning inaccessible places at a safe position on site, reducing time in the field with less setups.

- Highest quality 3D data and HDR imaging
- Ranges of up to 1 kilometre (.62mi)
- Low range noise
- Survey-grade dual-axis compensation

- when it has to be *right* **Leica**
Geosystems



Leica ScanStation P40/30

The right choice | Reduce downtime | Industry leading software Versatile high-speed laser scanner.

Leica ScanStation P30/P40 deliver highest quality 3D data and High-Dynamic Range (HDR) imaging at an extremely fast scan rate of 1 million points per second at ranges of up to 270m. Unsurpassed range and angular accuracy paired with low range noise and survey-grade dual-axis compensation form the foundation for highly detailed 3D colour point clouds mapped in realistic clarity.



- Highest quality 3D data and HDR imaging
- Ranges of up to 270 m (.62mi)
- Low range noise
- Survey-grade dual-axis compensation

Leica RTC360 / RTC360 LT

High-Speed 3D laser scanner with integrated HDR spherical imaging system. And Visual Inertial System.

Highly portable | Simple to use | Fast

Automatically pre-register point cloud data in the field to quickly conduct quality control checks, improve productivity and make better-informed decisions on site

SCANNING & IMAGING

- Field of view: 360° (horizontal) / 300° (vertical)
- Range: Min: 0.5 up to 130 m
- Speed: Up to 2,000,000 pts / sec
- Resolution: 3 user selectable (3/6/12 mm @ 10m)
- Camera: 36 MP 3-camera system captures 432 MPx raw data for calibrated 360° x 300° spherical image
- Speed: 1 minute for full spherical HDR image at any light condition
- HDR: Automatic, 5 brackets



Leica BLK Series Scanners



Leica BLK360 Imaging Laser Scanner

The next generation of the smallest and lightest laser scanner has arrived.

The all-new Leica BLK360 is an advanced precision imaging laser scanner. At the

push of a button, users can capture a full scan with spherical images in only twenty seconds—over five times faster than the BLK360 G1.

- when it has to be right



- Four scan settings capture data in 7, 13, 30, or 75 seconds at 680,000 points per second
- Rich high dynamic range (HDR) imagery with 5 bracket HDR
- Small and light, measuring 155x80mm and weighing just 850 g with batteries installed
- 5 times faster than the BLK360 G1, taking 20 seconds for a full-dome scan with photospheres
- Visual Inertial System (VIS) automatically pre-registers scans in the field
- High speed data transfer via USB-C and WiFi

Leica BLK2GO PULSE

Instant reality capture from your perspective with a streamlined end-to-end workflow. The Leica BLK2GO PULSE is a handheld first-person laser scanner. Instantly capture what you need, when you need it, from your point of view.

- **First-person scanning:** See what you capture from a first-person scanning perspective. Colourised 3D data is streamed in real time to your smartphone screen.
- **Instant data availability:** Immediately view and share colourised 3D point clouds and images from the field, as easy as sharing a photo or video.
- **Smart scanning guidance:** In-app notifications provide real-time guidance to ensure optimal scanning practices.



Leica BLK2GO LiDAR & Imaging

Mobile Mapping. Simplified
Simple | Sleek | Award Winning

The BLK2GO is a handheld imaging laser scanner that creates a 3D digital twin while you walk through a space. It is the fastest and easiest way to scan a large building structure or environment.

- One-button operation
- Scan rate 420,000 pts/sec
- 360° Field of View
- 24 hours of scanning (compressed data)
6 hours uncompressed data



Leica BLK3D 3D Imager

In Picture 3D Measurement Solution.
Capture | Share | Measure

The Leica BLK3D is a real-time, in-picture 3D measurement solution. The Leica BLK3D makes in-picture measurements with professional-grade accuracy in real-time possible.

- Take a picture. Measure anything
- 64GB Storage holds >5000 images
- 80° Field of View
- Operating time: Up to 9500 laser measurements.



Leica BLK2FLY | Autonomous UAV Flying Laser Scanner

- when it has to be right

Worlds first fully integrated autonomous LiDAR UAV

The Leica BLK2FLY is an autonomous flying laser scanner with advanced obstacle avoidance for easy reality capture from the sky. It captures building exteriors, structures, and environments to create 3D point clouds while flying. The BLK2FLY is designed to be easy-to-use: with a few simple taps on a tablet, users can set the BLK2FLY aloft to autonomously scan building exteriors and features, such as hard-to-access areas like rooftops and facades. Deploying the device itself is as easy as unfolding it, switching it on with the press of a button and placing it on the ground, ready for takeoff.

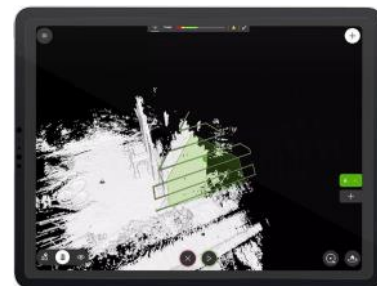


BLK2FLY captures building exteriors, structures, and environments to create 3D point clouds while flying.

- Allows you to scan hard-to-reach areas like building facades and rooftops
- Autonomously captures complete scans of building exteriors to create 3D digital twins
- GrandSLAM sensor fusion of LiDAR, radar, cameras, and GNSS for complete scan coverage, optimized flight paths, and shortest return to home
- Advanced obstacle avoidance for superior flight safety
- Hot swap battery system
- Lightweight, portable, easy to use

Key Specifications:

- 13 min Max Flight Time
- 360° Field of view
- Scan range: min 0.5m up to 25m
- Point measurement rate: 420,000 pts/sec,
- Vision System: 5-camera system
- Relative accuracy: <20mm (concrete/brick surface)
- Max. typical transmission distance
WLAN approx. 100 yards line of sight.
- Housing - Carbon and glass fiber frame.
- Internal storage - 256 GB
- Weight (incl. battery) - 5.73 lb



Pilot using the BLK2FLY Live App for iPad supporting LTE connectivity.

PIX4Dcatch RTK



viDoc RTK rover + Pix4D solutions

PIX4Dcatch RTK workflow



The Pix4D Scanner provides Terrestrial 3D scanning with RTK survey-grade.

Use your smartphone with the PIX4Dcatch mobile app to capture the asset. Add an RTK device to it, to improve your accuracy. Upload your images automatically to PIX4Dcloud for seamless processing OR import your images from the phone to the PIX4Dmatic desktop app, using the PIX4Dcatch processing template. Mark your assets on PIX4Dsurvey as vectors in the pointcloud and export them as DXF (for CAD) or SHP (for GIS).



Easy field-to-finish workflows

Easy digitalization with Pix4D software that can measure single points or create line work from data capture.

RTK positioning rover for 3D scanning

viDoc RTK rover pairs with the PIX4Dcatch to geotag images of the 3D scan in real-time using NTRIP services.

Enhanced mobile data collection

viDoc connects to over 600 channels (including all major constellations such as GPS, GLONASS, Galileo, etc.) which results in convergence in under 5 seconds.

Terrestrial data collection with photogrammetry is a growing area of interest for many industries, whether it is to do with landscaping and real estate, or more focused on geospatial and construction surveying purposes. A wide range of rovers are available but can be expensive, cumbersome, and difficult to transport. The PIX4Dcatch RTK workflow provides an ideal solution to balance the need for GPS accuracy with high maneuverability.



Works with:

- iPhone 14 Pro, Pro Max,
- iPhone 13 Pro, Pro Max,
- iPhone 12 Pro, Pro Max,
- iPad Pro 11-inch (2nd gen and later)*
- Any Android device with ARCore and Depth API capability* *

Any Apple iPhone or iPad 11-inch (2nd gen and later) device with iOS 16.0 minimum

*Wi-Fi-only iPad models do not contain an internal GPS. This may result in projects not being geolocated unless used with the viDoc RTK rover or GCPs.

**LiDAR is not supported on Android



Key Specifications:

- 13 min Max Flight Time
- 360° Field of view
- Scan range: min 0.5m up to 25m
- Point measurement rate: 420,000 pts/sec,
- Vision System: 5-camera system
- Relative accuracy: <20mm (concrete/brick surface)
- Max. typical transmission distance WLAN approx. 100 yards line of sight.

viDoc® for Smartphone Included in the scope of delivery



ANYmal Autonomous Legged Robot (UGV)



Meet ANYmal, your new inspector.

ANYmal autonomously navigates complex multi-story environments. Once guided through the environment, the robot remembers every detail and finds the quickest route to perform its mission. During operation, the robot's system safely avoids obstacles and reliably moves over rough terrain.



ANYmal's legs provide unparalleled mobility when moving up and down stairs, climbing over obstacles, steps, and gaps, and crawling into tight spaces. It delivers reliable performance in harsh indoor and outdoor environments and through rain, splash water, wind, snow, and dust.

Where and how can I use the ANYmal?



Monitor assets in operation
Detect equipment failures early to take preventative actions and avert costly defects and downtimes.



Identify thermal anomalies
Leverage equipment health insights from frequent thermal inspection to manage preventative maintenance.

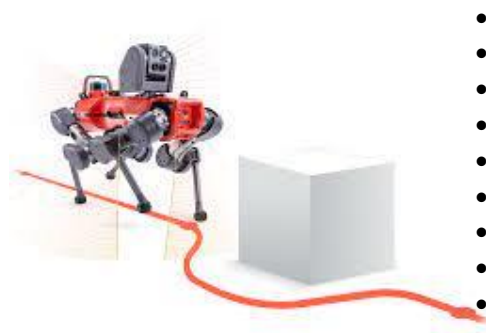


Detect gas presence
Monitor gas concentration levels in real-time and enable operators to take early precautionary measures.



Create and update 3D models.
Perform reality capture during inspection missions cheaper and quicker and keep the digital twin updated.

Key Specifications:

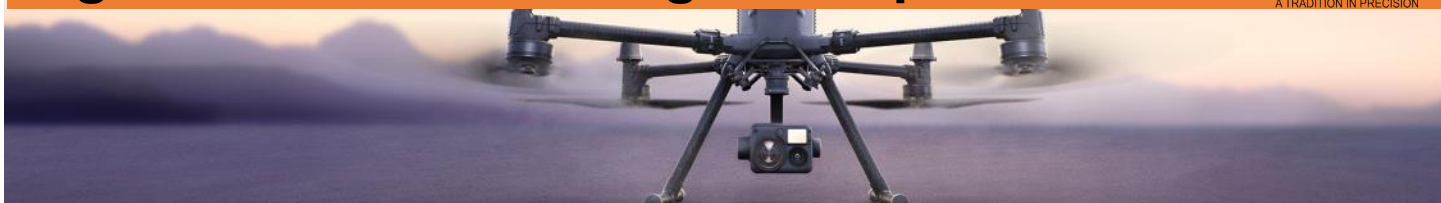


- 90 min battery run time
- 100 min for 70% quick charge
- 3 hours for full charge
- Payload up to 15 KG (33 lbs.)
- Obstacle sensing - 6x Depth cameras
- Environmental mapping - 360° LiDAR
- Connectivity - WiFi & 4G/LTE (Optional)
- Zoom camera - 10x optical zoom.
- Thermal camera - precise temperature readings in a range of -20—500 C without physical interaction.



CALL FOR A DEMO!

High Definition Scanning / Enterprise Drones



DJI Matrice 350 RTK Fully Powered to Forge Ahead



Max Flight Time: 55 Min
Max Speed: 50 MPH
Sensing System: Forward, backward, upward, downward, left, right
Max Payload: 2.7kg / 5.59lb.
Camera: 1080p resolution
IP Rating: IP55
Battery: New Dual-Battery, hot swappable battery system



DJI M30 Series Optimized for public safety

Sensor: 1/2" CMOS Sensor
Max Flight Time: 41 Min
Max Speed: 51 MPH
Sensing System: Upward, downward, backward, sideward
Max Transmission Distance: 4.97 miles
Max Takeoff Weight: Approx. 8.8lbs



DJI Mavic 3 Enterprise Your Everyday Commercial Drone

Sensor: 4/3 CMOS Mechanical Shutter (3E)
1/2-inch CMOS, Effective pixels:49 MP (3T)
Max Flight Time: 45 min
Sensing System: Forward, backward, upward, downward
Max Transmission Distance: 10 km
Weight: Approx. 1050 g / 2.31 lbs.

WingtraOne GEN II

A mapping drone for fast and accurate surveying data every time.

Efficient fixed-wing flight

Fly at 16 m/s (36 mph) for up to 59 minutes per flight for large coverage.

61 MP camera

WingtraOne can fly higher than drones limited to 20 MP cameras, so you capture more ground and more detail with every picture and a larger area per flight.

No more GCPs, checkpoints only.

With an onboard high-precision PPK GNSS receiver you no longer need to lay out ground control points (GCPs). Use as few as three checkpoints to verify your map quality.



Ready to fly in five minutes.
Fully Autonomous.

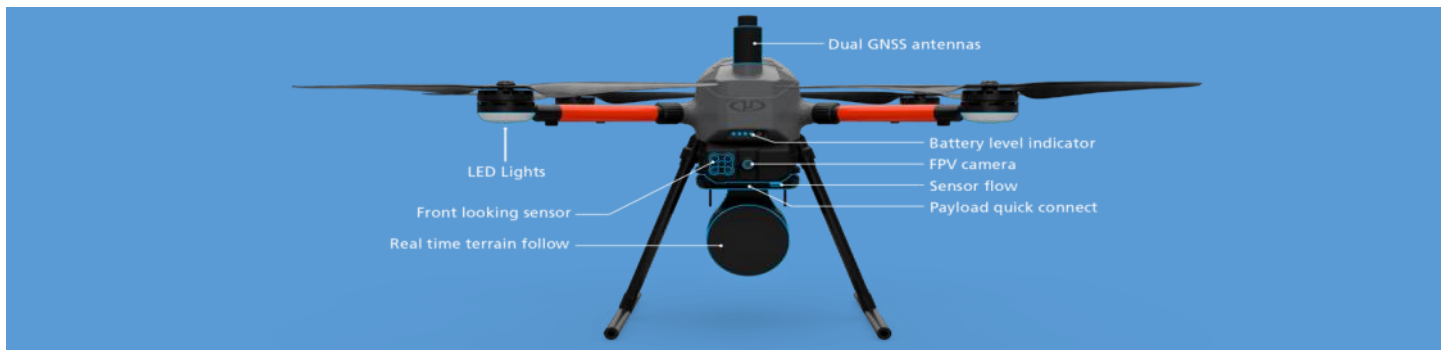


Full-frame camera: 61MP
Max Flight Time: 59 Min
Max telemetry range: 10km/6mi
Lowest GSD: 0.28 in/px
Absolute HZ accuracy down to: 0.4 in
Coverage at lowest GSD: 270 ac
IP Rating: IP68 Rated for water and dust resistance.



THE MOST COMPACT SURVEY-GRADE DRONE LiDAR SURVEYING EQUIPMENT ON THE MARKET: EasyOneLiDARUHR+

This is Microdrones' best LiDAR drone surveying equipment ever. Built upon their 4th-gen drone technology, all EasyOne systems are more compact, more optimized, lighter, safer and more efficient. This system delivers integration unmatched in the drone surveying industry, making it easier than ever for you to plan, fly, collect, process and visualize your geospatial data projects.



THE IMPROVED CONTROLLER IS COMPLETELY INTEGRATED WITH MDCKOCPIT. NOT MORE CONNECTING A TABLET TO YOUR REMOTE



A NEW BATTERY MANAGEMENT SYSTEM FOR SMART SURVEY AND GEOSPATIAL PROFESSIONALS



THIS EASYONE LIDARUHR+ PACKAGE INCLUDES:

- EasyOne Drone Platform
- Charger & Flight Battery
- Rugged Carrying Case
- Mag-les Navigation
- Excellent Customer Support
- Encrypted Digital Data Link
- MDRC
- Remote ID Enabled
- Fully Integrated High Resolution LiDAR & Camera
- mdCockpit Software
- Tap & Fly
- LP360 Data Processing Software

Autel EVO II V3 Rugged Bundles



EVO II Series V3



The new Autel EVO II series v3 drones have arrived. There are six new models with a full suite of accessories to keep your flying time productive. So you can Work Like Never Before.



EVO II Pro 6K Rugged Bundle V3

102001513

The leader in Picture Quality and Flight intelligence. Featuring a 1" sensor, 6K Ultra HD, a 20MP camera, and 360° obstacle avoidance.

- 1x Aircraft: battery, propeller, gimbal cover, 32GB SD card
- 1x Remote Controller & lanyard
- 1x Spare Control Sticks (pair)
- 1x Spare Battery
- 1x spare Propeller (pair)
- 1x Battery Charger & Power Cable
- 1x RC Charger and Cable
- 1x Carrying Case



EVO II Pro 6K RTK Rugged Bundle V3

102001519

Capture Every Detail. An entirely new RTK module provides real-time centimeter level positioning data and supports PPK.

- 1x Aircraft: battery, propeller, gimbal cover, 32GB SD card
- 1x Remote Controller & lanyard
- 1x Spare Control Sticks (pair)
- 2x Spare Battery
- 2x spare Propeller (pair)
- 1x Battery Charger & Power Cable
- 1x Multi-Charger
- 1x RC Charger, Cable and Case
- 1x Extended Port Cover
- 1x Carrying Case



40 min max flight Time | 9.3 mi HD Transmission | 16x Digital Zoom | Modular Accessories



EVO II Dual 640T Rugged Bundle V3

102001512

Equipped with a 640*512 high-resolution thermal imaging camera featuring a 13mm focal length lens and 16x digital zoom, It is easy to observe distance target.

- Aircraft (including battery, propellers, and gimbal cover)
- V3 7.9" Smart Controller (with controller case)
- Spare Propellers (pair)
- Smart Controller USB-C Charging Cable & Power Brick
- Battery Charger (Wall Cord and Power Converter)
- Spare Battery
- Spare Controller Sticks
- 32 GB SD Card
- Smart Controller Hanging Neck Strap
- Evo II Battery Car Charger
- Evo II Battery Multicharger



EVO II Dual 640T RTK Rugged Bundle V3

102001517

Dual Camera, Accurate Temperature Measurement. Equipped with a high-resolution thermal imaging camera and an all new Sony .8" 50 megapixel RYYB sensor.

- 1x Aircraft: battery, propeller, gimbal cover, 32GB SD card
- 1x Remote Controller & lanyard
- 1x Spare Control Sticks (pair)
- 2x Spare Battery
- 2x spare Propeller (pair)
- 1x Battery Charger & Power Cable
- 1x Multi-Charger
- 1x RC Charger, Cable and Case
- 1x Extended Port Cover
- 1x Carrying Case



Autel EVO II V3 Enterprise Bundles



EVO II Enterprise Series V3



EVO II Enterprise V3 integrates a superior imaging system, an upgraded 15km image transmission (SkyLink 2.0) and additional accessories in order to meet different aerial needs including inspection, search and rescue, law enforcement, fire fighting, and more. The foldable design empowers industry users with an efficient and portable aerial work tool.



EVO II Pro 6K Enterprise Rugged Bundle V3

102001515



EVO II Dual 640T Enterprise Bundle V3

102001516



Benefits of the V3 Series Smart Controller/SE;

- 2000 Nit Super-Bright screen Controller
- 2K Ultra HD screen on Smart Controller
- 128 GB of data storage on Smart Controller
- Nearly 5 hours of battery life
- Fan-cooled for operation in high-heat environments

Benefits of the V3 Series Aircraft: Thermal Models:

- Outline transparency control
- Radiometric
- Detail/Outline Enhancement

Benefits of the V3 Series Aircraft

- 40 minutes of flight time
- 15 km/9.3 miles of range (clear LOS)
- 128GB internal storage
- Access to all constellations (V3 seeks satellites much faster in multi-path environments)
- Tri-Band signal (2.4, 5.8, 900MHz)
- Optimized for low light and clean zoom
- Radiometric Thermal (640T models)
- ISO 44,000 (Night mode)
- 360° Obstacle Avoidance
- Encrypted data transmission

Mission Versatility

With an expanded selection of accessories at its disposal, the EVO II Enterprise V3 can evolve from a simple imaging tool to a multifunctional flight platform that can adapt to different scenarios.



Loudspeaker

Enables effective on-site communication through long-distance live broadcasts and prerecorded audio loops.



Spotlight

Beams a powerful, long-distance aerial light when searching or shoot-ing at night.



Strobe

Indicate the location of the aircraft at night to avoid air traffic accidents. Compliant with FAA regulations for night flying, visible over 3 Miles away.



RTK Module

(Optional)

Provides centimeter-accurate positioning data for mapping and reduces electromagnetic interference for flying near critical structures.



Controllers

Autel Robotics 6.4" Smart Controller SE, V3

102001508

Includes:

- 1x 6.4" Smart Controller
- 1x USB - C Controller Charging Cord
- 1x Charging Brick
- 2x Controller Sticks (2 pairs)
- 1x Smart Controller Hanging Neck Strap
- 1x Controller Antenna (1 pair)

Autel Robotics 7.9" Smart Controller, V3

102001507

Includes:

- 1x 7.9" Smart Controller (With Controller case)
- 1x USB - C Controller Charging Cord
- 1x USB - A & C Charging Brick
- 2x Controller Sticks (2 pairs)
- 1x Smart Controller Hanging Neck Strap

Interchangeable Cameras

Autel Robotics EVO II V3 6K Gimbal Camera

103000059

Autel Robotics EVO II V3 640T Gimbal Camera

103000052

Broadcasting

Autel Robotics Live Deck 2

102001438

Includes:

- 1x Autel Robotics Live Deck 2
- 1x SMA Threaded Antenna (1 pair)

Stream Anywhere. EVO II Pro V3 supports multi-port HDMI real-time output to meet the requirements of projection monitoring and live streaming with Live Deck 2.

Parts

Autel Robotics EVO II Battery

102000199

Autel Robotics EVO II Propellers, Low-Noise

102000198

Autel Robotics EVO II Enterprise Propellers - (Enterprise Models Only)

102001181

Autel Robotics EVO II 110V Charger for Battery/ Controller

102000200

Autel Robotics EVO II Battery Charging Hub

102000204

Autel Robotics EVO II Car Charger

102000189

Autel Robotics EVO II Propeller Guards

102000202

Autel Robotics SD Cardholder

500003452

Autel Robotics Landing Pad

102001248

EVO II 6K Gimbal Guard

102000231

EVO II Dual 640 Gimbal Guard

102000232

RTK Module

102000619





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