

**PRODUCT
COLLECTION**

**vol.15
EXTRA**

myzox

**Professional Products
for Professionals**



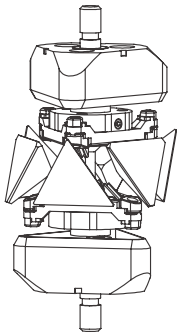
360 degree Reflective Target Prism REVO360

MUCH-ANTICIPATED 360° PRISM

Imposing body by shaving off the aluminium block.



► FEATURES



Replaceable Prism

Each prism is independent. It means those prisms are non-glued. In case the prism is broken, it is replaceable at a minimum loss.

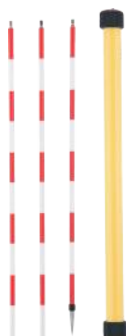
This structure saves money for users or renting business companies. (No need to buy new prism)



Compatible with 9mm Pin Pole

REVO360 have 6mm screw at the top and bottom. 6mm screw is used for 9mmφ pole, which is widely distributed.

► RELATED PRODUCTS



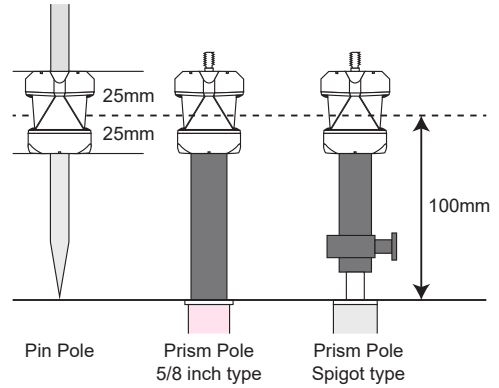
DM Pin Pole
DMP-9
500mm × 3



DM Pin Pole
DMP-9MINI
300mm × 5

► SPECIFICATIONS

Prism constant : -4.4mm (Leica : +30mm)
Prism height : 25mm
Targetable angle : H : 360° V : 50°
Screw : 6mmφ male
Dimensions : 46(W) × 46(D) × 74(H)mm
Weight : approx. 120g



► SET CONTENTS

- Prism
- 75mm shoe for REVO360 (DMP-M675)
- Circular level (PC-40L)
- Prism protection cover
- Case
- Manual



► OPTIONS

for Prism Pole with 5/8 inch



Prism Pole Adapter
PPA100R

Dimensions	25φ × 75mm
Weight	90g
Screw (Top)	6mmφ female
Screw (Bottom)	5/8 inch female

for Prism Pole with Leica Spigot



Leica Pole Adapter
LSP100R

Dimensions	38 × 30 × 62mm
Weight	60g
Screw (Top)	6mmφ female
Screw (Bottom)	Spigot

PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
360 degree Reflective Target Prism REVO360	R-360	1	223305	JP
Prism Pole Adapter	PPA100R	1	223549	CN
Leica Pole Adapter	LSP100R	1	223550	CN
75mm Shoe for REVO360	DMP-M675	1	223571	JP
DM Pin Pole / 1,500mm (500 × 3)	DMP-9	10	101915	CN
DM Pin Pole / 1,500mm (300 × 5)	DMP-9MINI	10	032025	CN

Wide Angle Reflecting Target ZERO220 series

CREATE A NEW FROM ZERO

ZERO series are developed based on efficiency.



Z-220

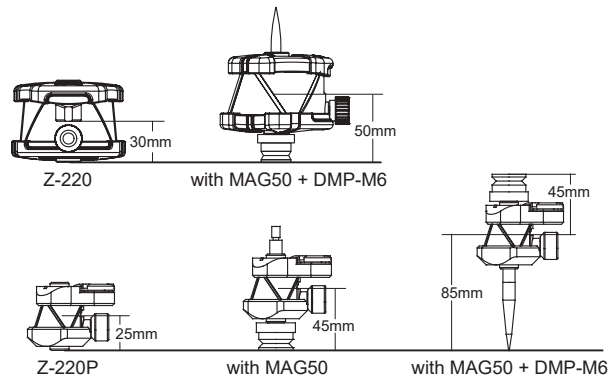


Z-220P



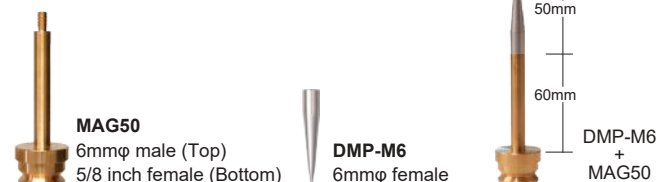
► SPECIFICATIONS

MODEL	Z-220	Z-220P
Prism constant	0mm	0mm
Targetable angle	H : 220° V : 30°	H : 220° V : 30°
Circular level	46' / 2mm (PC-40L)	40' / 2mm (built-in)
Dimensions	93 × 82 × 60mm	45 × 65 × 50mm
Weight	196g	137g



► SET CONTENTS

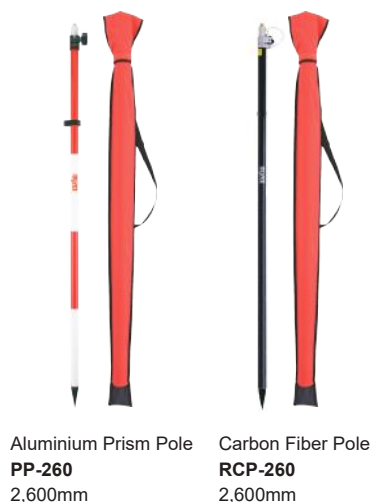
- Prism
- Prism protection cover
- Pole adapter (MAG50)
- Shoe for DM pin pole (DMP-M6)
- Circular level
 - Z-220 : PC-40L
 - Z-220P : Built-in
- Hexagonal wrench *Z-220P only
- Case
- Manual



► FEATURES

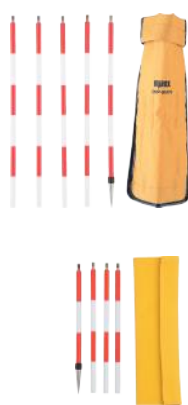
- **Prism constant 0mm**
It prevents from measuring in error.
- **Replaceable independent prisms**
Non-glued independent prisms are replaceable at a minimum loss when one of them is broken.
- **View port**
For accurate measuring, the prism center height is checkable from back side.
- **Height adjustable**
Easy to adjust the height with slidable structure.

► RELATED PRODUCTS



Aluminium Prism Pole
PP-260
2,600mm

Carbon Fiber Pole
RCP-260
2,600mm



DM Pin Pole
DMP-9/20
300mm × 5

DM Pin Pole
DMP-9/20
200mm × 4

► OPTIONS (for Z-220P)



Leica Pole Adapter
LSP100

Dimensions	25 × 27 × 122mm
Weight	67g
Screw (Top)	6mmφ male
Screw (Bottom)	Spigot

PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
Wide Angle Reflecting Target ZERO220	Z-220	1	221646	JP
Wide Angle Reflecting Target ZERO220 PLUS	Z-220P	1	222305	JP
Prism Pole Adapter	MAG50	1	221851	CN
Shoe for DM Pin Pole	DMP-M6	1	219524	JP
Leica Pole Adapter	LSP100	1	222281	CN
Prism Pole / 2,600mm	PP-260	10	500264	CN
Carbon Fiber Pole / 2,600mm	RCP-260	10	500293	CN
DM Pin Pole / 1,500mm (300mm × 5)	DMP-9MINI	10	032025	CN
DM Pin Pole / 800mm (200mm × 4)	DMP-9/20	20	219339	CN

PRISMS

360 degree Prism for Backward Intersection

FOR BACKWARD INTERSECTION

Useful for field observation.



for 9mmφ pin pole (with insert nut) Prism height adjustable (with O-ring) 6mmφ bolt for V axis (with insert nut) for 32mmφ pipe

SPECIFICATIONS

Prism constant : 18mm / -18mm *
Dimensions : 36φ × H66mm
Weight : 33g
* Depends on the type of total station.

SET CONTENTS

- Prism × 3
- Insert nut × 3
- O-ring × 6



PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
360 degree Prism for Backward Intersection	DAXTUSE360	1	223032	JP

Sliding Staff Prism

DEDICATED TO ALUMINIUM STAFF

For topographic survey in mountainous regions.



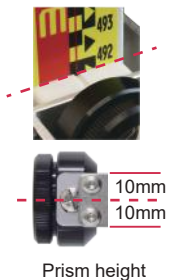
FEATURES

- An assist when prism staff cannot reflect the light beam because of its angle or by obstacles
- Useful for surveying in an area with a large difference in elevation

SPECIFICATIONS

Prism size : 1 inch (25mm)
Prism constant : +5mm *1
Prism height : -10mm from top of white rubber part
Tilting : 19° (upper) / 19° (lower) *2
Staff size : Width 30 ~ 52mm / Depth 10~ 28mm
Dimensions : 83 × 120 × 37mm
Weight : 160g

*1 When putting the prism at the lowest available section of the staff.
*2 Depends on prism's angle, prism height will be changed.



PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
Sliding Staff Prism	ALS-P	1	222697	JP

2.5inch Prism

3 TYPES PRISM CONSTANT

KG series has 3 types of prism constant, 0mm / -30mm / -40mm.



KG-2500G (Traverse kit)



KG-2500GP (Prism Target set)



SPECIFICATIONS

Prism size : 2.5 inch (63.5mm)
Prism constant : 0mm / -30mm (with adapter) / -40mm
Prism height : 98.5mm / 180.5 ~ 203.5mm (with height adapter)
Beam deviation : 5° - 6°
Prism coating : Silver

SET CONTENTS

KG-2500G

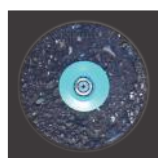
- Prism
- Target & Holder set
- Offset adapter -30mm
- Tribrach (MG030G)
- Adjustment tools
- Hard case

KG-2500GP

- Prism
- Target & Holder set
- Offset adapter -30mm
- Soft case



Offset adapter -30mm



Bright field of view (optical plummet)



Height adjustable : 23mm

PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
2.5inch Prism / Traverse Kit	KG-2500G	2	223564	CN
2.5inch Prism / Prism Target Set	KG-2500GP	10	222928	CN

Monitoring Prism

VARIOUS SHAPES, SIZES, AND QUALITY

Myzox provides a range of monitoring prisms.

Monitoring Prism / Anchor type



Anchor bolt : L70 x 14mmφ, 59g

► SPECIFICATIONS : TT-17

Prism size : 1 inch (25mm)
Prism constant : -17mm*
Prism height : 57mm
Beam deviation : 5"
Weight : 130g

*excl. anchor bolt

► SPECIFICATIONS : TT-27

Prism size : 1.5 inch (38mm)
Prism constant : -27mm*
Prism height : 60mm
Beam deviation : 5"
Weight : 200g

*excl. anchor bolt

2.5inch Monitoring Base Kit



TT-41

► SPECIFICATIONS

Prism size : 2.5 inch (63.5mm)
Prism constant : -41mm
Prism height : 60mm
Beam deviation : 5" - 6"

► SET CONTENTS

- Base mount
 - Anchor bolt (L70 x 14mmφ)
- *Prism canister is not included.

► OPTIONS

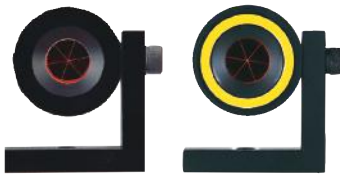


Rain cover
RC-25



Prism canister
MG-2504R

Monitoring Prism / L-bar type



TK-10

TK-10S
High visibility

► SPECIFICATIONS

Prism size : 1 inch (25mm)
Prism constant : -25mm
Prism height : 60mm
Beam deviation : 5"
Weight : 207g

Monitoring Prism / Sticker type



TT-0
with anchor bolt
(L70 x 14mmφ)



TT-0M
Magnet mount

► SPECIFICATIONS : TT-0

Sticker size : 47 x 47mm
Prism constant : 0mm
Prism height : 60mm*
Weight : 120g

*excl. anchor bolt

► SPECIFICATIONS : TT-0M

Sticker size : 47 x 47mm
Prism constant : 0mm
Prism height : 75mm
Weight : 240g

Survey Wall Point Plug & Adapter

► OPTIONS



SPP-40



TTA-M8
Adapter
for 10mmφ male



SPI-M8
Adapter
for Leica Spigot



► SPECIFICATIONS

MODEL	SPP-40	TT-M8	SPI-M8
Screw (Top)	8mmφ female	10mmφ female	Spigot
Screw (Bottom)	Anchor	8mmφ male	8mmφ male
Prism height	-	100mm (TT-17)	100mm (Leica GPR121)

Prism Canister



MG-2504R

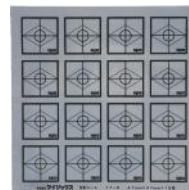
MG-2504S

► SPECIFICATIONS

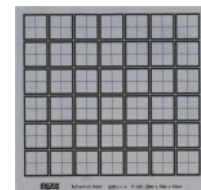
Prism size : 2.5 inch (63.5mm)
Beam deviation : 5" - 6"
Prism coating : Silver

Sticker Prism Sheet

Sheet size : 250 x 250mm



TT-S
16pcs / sheet



TT-S30
42pcs / sheet



TT-S20
90pcs / sheet

Road Monitoring Prism



RMP-S

► SPECIFICATIONS

Prism size : 0.7 inch (17mm)
Prism constant : -11.3mm
Prism angle : 20°
Material : Aluminium
Dimensions : 100 x 100 x 23mm

PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
1 inch Monitoring Prism / Anchor type	TT-17	1	218459	JP
1.5 inch Monitoring Prism / Anchor type	TT-27	1	218460	JP
1 inch Monitoring Prism / L-bar type	TK-10	1	219306	CN
1 inch Monitoring Prism / L-bar type / High Visibility	TK-10S	1	221437	CN
Survey Wall Point Plug	SPP-40	1	222276	CN
Adapter for M10 male screw	TTA-M8	1	222343	CN
Adapter for Leica Spigot	SPI-M8	1	222277	CN
Prism Canister / Orange	MG-2504R	1	219328	CN
Prism Canister / Yellow	MG-2504S	1	217910	CN

PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
2.5 inch Monitoring Base Kit	TT-41	1	222256	JP
Rain Cover for 2.5 inch Prism	RC-25	1	222257	JP
Monitoring Prism / Sticker type / Anchor type	TT-0	1	218461	JP
Monitoring Prism / Sticker type / Magnet base	TT-0M	1	221835	JP
Sticker Prism Sheet / 47mm square	TT-S	-	218458	JP
Sticker Prism Sheet / 30mm square	TT-S30	-	219265	JP
Sticker Prism Sheet / 20mm square	TT-S20	-	219389	JP
Road Monitoring Prism	RMP-S	1	222304	CN

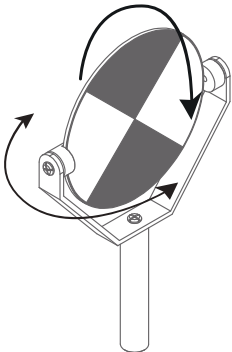
LASER SCANNER ACCESSORIES

Laser Scanner Target

MOST POPULAR TYPE 6 INCH TARGET
Constant at crosspoint 0mm.



► **FEATURES**



Easy to set the target at directly opposite to scanner

The target is adjustable at any angles in vertical and horizontal.
Constant loading to rotation axis can fix the angle without a fixing screw.
The crosspoint is arranged on the the central axis line, it brings stable accuracy.



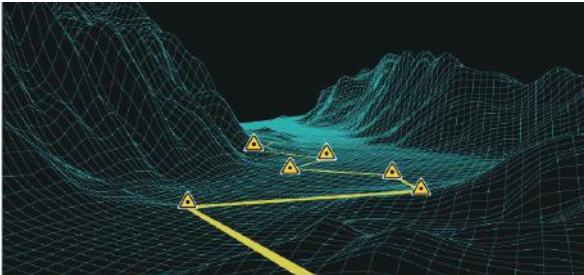
Portability

The case M-STC can store ST-6 × 3pcs, or ST-6 x 2pcs with tribrach & adapter.



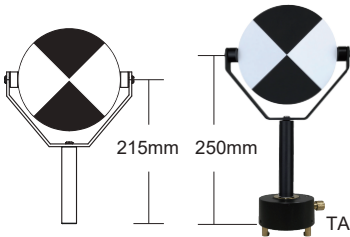
Versatility

Able to use with the poles and the tripods with tribrach by 5/8 inch screw.



► **SPECIFICATIONS**

Target diameter : 6 inch (152.4mm)
Crosspoint height : 215mm
Screw (bottom) : 5/8 inch female
Weight (target) : approx. 400g / 1pc
Weight (case) : approx. 500g



*The crosspoint height with tribrach adapter TAR is compatible with Leica P-series.

► **SET CONTENTS (ST-6S)**

- 6 inch target (ST-6) × 2
- Case (M-STC)
- Manual



► **OPTIONS**

for Tripod use



Tribrach with Optical Plummet
MY011BO

Material	Aluminium
Circular level	8' / 2mm
Locking screw	5/8 inch female



Tribrach Adapter
TAR

Dimensions	approx. 97 × 79 × 63mm
Weight	approx. 565g
with removable center with lock	

for Pole use

Carbon Fiber Pole RCP-260 + Bipod BIP-180

*See Page10 for the details.



PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
Laser Scanner Target Set / 2 targets	ST-6S	1	223467	JP
Laser Scanner Target / 1pc	ST-6	1	223446	JP
Case for Laser Scanner Target	M-STC	1	223465	CN
Tribrach with Optical Plummet	MY011BO	1	240003	CN
Tribrach Adapter with Removable Center	TAR	1	240041	CN
Carbon Fiber Pole / 2,600mm	RCP-260	10	500293	CN
Bipod	BIP-180	4	217426	CN

LASER SCANNER ACCESSORIES

Scanner Target

COMPACT TYPE TARGET

Scanner target.



► SPECIFICATIONS

Target size	: 47 × 47mm
Crosspoint height	: 60mm*
Screw (bottom)	: M10 male
Weight (target)	: approx. 120g
Weight (anchor bolt)	: approx. 60g
Anchor bolt	: L70mm × 14mmφ

*excl. anchor bolt



► OPTIONS

Anchor bolt can be changed to magnet base

► SPECIFICATIONS (Option : with magnet base)

Magnet force	: 200N
Crosspoint height	: 75mm
Dimensions	: 98.5 × 67 × 17mm
Weight	: approx. 240g

Please ask us for the details.

PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
Scanner Target	TT-WB	1	218462	JP

Tripod for Scanner TRIPEAKS

MADE BY CARBON FIBER

Light weight and high mobility.



SCF444
Carbon fiber



SCF343
Carbon fiber



SAL343
Aluminium

► SET CONTENTS

- Tripod
- Rubber shoe (installed) × 3
- Stainless shoe × 3
- Hex wrench × 2
- Case
- Manual



HEAD MOUNT PLATE & FIXING KNOB

Easy to attach a scanner by removable head mount plate. To remove and attach the plate, use the fixing knob (blue part) as spanner to tighten and loosen.



3 STEPS LEG ANGLE BY RELEASE BUCKLE

- 1 30° (SCF444) / 25° (SCF343 / SAL343)
- 2 55°
- 3 85°



► SPECIFICATIONS

MODEL	SCF444	SCF343	SAL343
Material	Carbon fiber	Carbon fiber	Aluminium
Full extended*	1,520mm	1,500mm	1,500mm
Full closed	570mm	670mm	670mm
Max. load	35kg	25kg	25kg
Section	4sec.	3sec.	3sec.
Screw	5/8 inch male	5/8 inch male	5/8 inch male
Weight	3.6kg	2.6kg	3.1kg

*When setting at first angle (30° / 25°)

► OPTIONS



Tripod Caster DOLLY

SC-D1

Material	Aluminium
Distance between wheels	700 ~ 950mm / 2sec.
Max. load	20kg
Dimensions	170 × 190 × 470mm
Weight	2.7kg



Able to move the tripod around with ease










PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
Carbon Fiber Tripod TRIPEAKS	SCF444	1	223664	CN
Carbon Fiber Tripod TRIPEAKS	SCF343	1	223665	CN
Aluminium Tripod TRIPEAKS	SAL343	1	223666	CN
Tripod Caster DOLLY	SC-D1	1	223602	CN

Clamp Holder for Smart Device

Correspondence Table

Smartphone, data collector, tablet and laptop



	<div>Smartphone</div>									
		<div>Data Collector</div>	<div>Data Collector</div>	<div>Data Collector</div>	<div>Data Collector</div>					
	<div>Smartphone</div>	<div>FZ-N1</div>	<div>Tablet 4.7 ~ 5"</div>	<div>Tablet 7"</div>	<div>Tablet 7"</div>	<div>Tablet 8"</div>	<div>Tablet 7 ~ 8"</div>	<div>Tablet 10"</div>	<div>Laptop 10 ~ 16"</div>	
										
	X grip	TAB-N1	CRL-CLM1	CRL-TP1	CRL-TPC	CRL-SLC	Tablet Holder 7 inch	Tablet Holder 10 inch	Laptop Holder	
Width	45 ~ 114mm	FZ-N1	67 ~ 110mm	100 ~ 140mm	100 ~ 140mm	120 ~ 150mm	129 ~ 144mm	165 ~ 197mm	254 ~ 406mm	
Depth	~ 22mm	FZ-N1	~ 55mm	~ 40mm	~ 40mm	~ 13mm	3.3 ~ 25.4mm	3.3 ~ 23.6mm	12.7 ~ 44.5mm	

Controller Bracket

UNIVERSAL CONTROLLER CLAMP

Adjustable clamp can hold any type of GNSS controllers.



CRL-CLM1



CRL-TP1



CRL-TPC
with compass



CRL-SLC
with compass



7 grade angle adjustable



Width & Depth adjustable
*CRL-SLC : width only



Built-in compass
*CRL-TPC & CRL-SLC

SPECIFICATIONS

MODEL	CRL-CLM1	CRL-TP1
Device size	Controller / Smartphone	7 inch Tablet
Width	approx. 67 ~ 110mm	approx. 100 ~ 140mm
Depth	up to 55mm	up to 40mm
Pole size	28 ~ 33mmφ	28 ~ 33mmφ
Dimensions	215 × 110 × 45mm	235 × 122 × 45mm
Weight	approx. 340g	approx. 360g

MODEL	CRL-TPC	CRL-SLC
Device size	7 inch Tablet	8 inch Tablet
Width	approx. 100 ~ 140mm	approx. 120 ~ 150mm
Depth	up to 40mm	up to 13mm
Pole size	28 ~ 33mmφ	28 ~ 33mmφ
Dimensions	260 × 122 × 45mm	260 × 90 × 45mm
Weight	approx. 400g	approx. 340g

OPTIONS



Adapter for Field Controller Bracket
CRL-HAP1
Adapter for horizontal use



Adapter for DM Pin Pole
COV9
for DM Pin Pole (9mmφ) use

DEVICE EXAMPLES

CRL-CLM1

- FC-500 / FC-250
- SHC-500
- TOUGHBOOK 4.7 inch
- TOUGHBOOK 5 inch

CRL-TP1 / CRL-TPC

- TOUGHBOOK 7 inch
- Huawei MediaPad T3 7
- iPad mini
- FC-5000

CRL-SLC

- 8 inch tablet
- Galaxy Tab Active2

PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
Universal Controller Bracket	CRL-CLM1	1	222839	CN
Field Controller Bracket	CRL-TP1	1	222840	CN
Field Controller Bracket with Compass	CRL-TPC	1	222344	CN
Field Controller Slim Bracket with Compass	CRL-SLC	1	223556	CN
Adapter for Field Controller Bracket	CRL-HAP1	1	222841	CN
Adapter for DM Pin Pole (9mmφ)	COV9	1	221878	JP

GNSS ACCESSORIES

X grip for Smartphone

EASY SET UP & STABLE

Just 5 seconds to mount the mobile.



► SPECIFICATIONS

Device size : Smartphone
Width : approx. 45 ~ 114mm
Depth : up to 22mm

*When using this product at the minimum width (45mm), the height needs to be over 140mm.

► DEVICE EXAMPLES

- iPhone 11 Pro Max
- iPhone Xs Max
- iPhone 8 Plus
- iPhone 7 Plus
- iPhone 6s Plus

PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
X grip for Smartphone	RAM-HOL-UN10BU	1	222227	US
Double Socket Arm	RAM-B-201U	1	222267	US
Pole Clamp for Tripod Leg / Pole Use	RAP-B-400U	1	222229	US
Adapter for DM Pin Pole (9mm)	COV9	1	221878	JP

Laptop Holder

ACCOMMODATE TABLET AND LAPTOP

Compatible with TOUGHBOOK with optional tall corner guards.



► SPECIFICATIONS

Device size : Laptop / Tablet (10 ~ 16 inch)
Height : over 130mm
Width : approx. 254 ~ 406mm
Depth : approx. 12.7 ~ 44.5mm

*Attach the Laptop Holder to a tripod leg / pole is not recommended.

PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
Laptop Holder	RAM-234-3	1	222226	US
Double Socket Arm with Base (1.5" ball)	RAM-101U-B	1	222230	US
Mount Base for Tripod Head Use	MB	1	222231	JP

Holder for Panasonic Toughbook FZ-N1

DESIGNED EXCLUSIVELY FOR FZ-N1

Holding the device and the pole with one hand.



*FZ-N1 is not included.

► OPTIONS



► SPECIFICATIONS

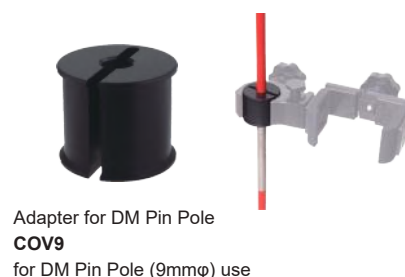
Pole size : 16 ~ 36mmφ
Dimensions : approx. H165 × W83 × D150mm
Weight : approx. 330g



One-handed attachment and removal



Stepless and smooth angle adjustment



PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
Holder for Panasonic Toughbook FZ-N1	TAB-N1	1	223350	JP
Pin Pole Sliding Grip (6mm - 9mm)	COV69	1	223379	JP
Adapter for DM Pin Pole (9mm)	COV9	1	221878	JP

GNSS ACCESSORIES / POLES

Tablet Holder

GOES WELL WITH Panasonic TOUGHPAD

Dedicated holder for tablets with 7 or 10 inch display.

► SPECIFICATIONS

MODEL	RAM-HOL-TAB19U	RAM-HOL-TAB12U
Device size	10 inch	7 inch
Height	approx. 273 ~ 340mm	approx. 181 ~ 241mm
Width	approx. 165 ~ 197mm	approx. 129 ~ 144mm
Depth	approx. 3.3 ~ 23.6mm	approx. 3.3 ~ 25.4mm

► DEVICE EXAMPLES

• TOUGHPAD	• iPad mini (7 inch)*3
— FZ-G1 (10 inch)*1	*1 Without an extended battery pack
— FZ-M1 (7 inch)	*2 Non-barcode model
— FZ-L1 (7 inch)*2	*3 Without LifeProof case (iPad mini 1-3)

► SET CONTENTS (Tablet Holder Unit TAB-10 / TAB-7)

- Tablet Holder 10 or 7 inch (RAM-HOL-TAB19U / TAB12U)
- Double Socket Arm with Round Base (RAM-B-103U)
- Pole Clamp (RAP-B-400U)

► EXAMPLES OF USE

Attach to a Tripod Leg / Pole



Attach to a Tripod Head



*Mount Base (MB): When using with a surveying tripod, the tripod must be flat head (inner size under 80mmφ), with 5/8 inch locking handle.

PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
Tablet Holder / 10 inch	RAM-HOL-TAB19U	1	222224	US
Tablet Holder / 7 inch	RAM-HOL-TAB12U	1	222225	US
Tablet Holder Unit / 10 inch / for Pole Use	TAB-10	1	222084	US
Tablet Holder Unit / 7 inch / for Pole Use	TAB-7	1	222086	US
Double Socket Arm with Round Base	RAM-B-103U	1	222228	US
Round Base	RAP-B-202U	1	222268	US
Pole Clamp for Tripod Leg & Pole Use	RAP-B-400U	1	222229	US
Mount Base for Tripod Head Use	MB	1	222231	JP
VESA Adapter	VESA-ADP	1	223202	JP



► OPTIONS



Double Socket Arm
with Round Base
RAM-B-103U



Round Base
RAP-B-202U



Pole Clamp
RAP-B-400U
16 ~ 36mmφ



Mount Base
MB
5/8 inch female
90mmφ



VESA Adapter
VESA-ADP

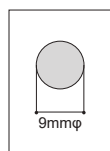
Mounting hole pattern	VESA75 (75 × 75mm)
Dimensions	90 × 90 × 10mm
Weight	90g



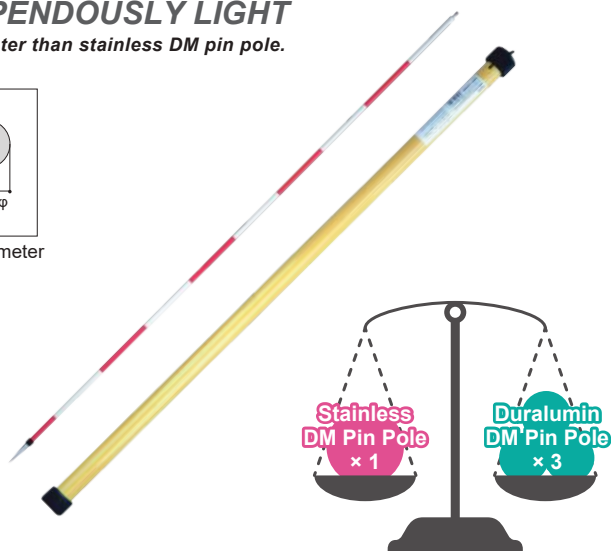
Duralumin DM Pin Pole

STUPENDOUSLY LIGHT

64% lighter than stainless DM pin pole.



Pole diameter



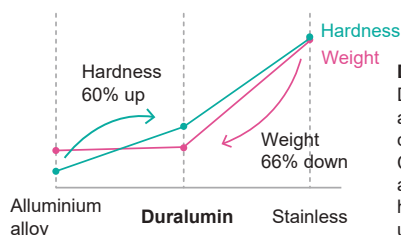
► FEATURES

- Lighter than a T-shirt; the weight of duralumin is about one-third of stainless

*A T-shirt: approx. 200g

► SPECIFICATIONS

Material	: Duralumin
Section	: 1,000mm × 1sec.
Color interval	: 100mm
Pole diameter	: 9mmφ
Weight	: 184g
Case	: Aluminium



DURALUMIN

Duralumin is strong, hard, lightweight alloy of aluminium that contains some copper. Compared with the standard aluminium alloy (A5052), duralumin is 1.6 times harder than the strength is enough to use for DM pin poles.

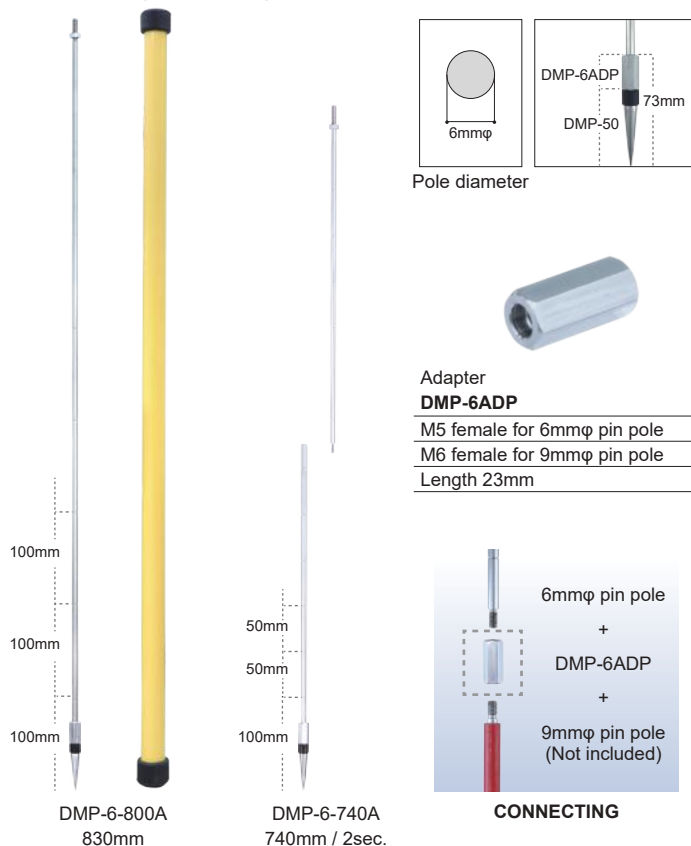
PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
Duralumin DM Pin Pole	DMP-1000D	1	223349	JP

POLES

DM Pin Pole 6mm dia.

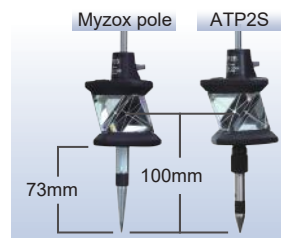
CONNECT 6mmφ & 9mmφ PIN POLE

Dedicated to Topcon Sokkia prisms.



► FEATURES

- Connect 6mmφ & 9mmφ pin pole with DMP-6ADP
 - Able to set the prism at high position to work efficiently when working in different height or with obstacles
 - 2 models selectable
 - DMP-6-800A : Verticality & Wide slide range
 - DMP-6-740A : Portability
- (Storable in Topcon Layout Navigator LN-100 carrying case)



PRISM HEIGHT 100mm

Able to set at the same prism height with ATP1S / ATP1SII / ATP2S / ATP2SII. (at the lowest point)

*ATP2S : Topcon Sokkia 360° prism

► SPECIFICATIONS

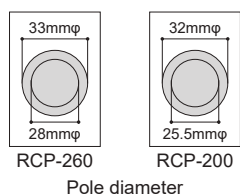
MODEL	DMP-6-800A	DMP-6-740A
Length	830mm	740mm (375+365mm)
Groove	at every 100mm	at every 50mm
Weight	195g	175g
Material	Stainless	Stainless
Pole diameter	6mmφ	6mmφ
Accessories	Case	-

PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
DM Pin Pole 6mm dia. / 740mm	DMP-6-740A	1	223448	JP
DM Pin Pole 6mm dia. / 830mm	DMP-6-800A	1	223449	JP
DM Pin Pole 6mm dia. L23mm Adapter	DMP-6ADP	1	223450	JP
Shoe for DM Pin Pole 9mm dia. / 50mm	DMP-50	1	101919	CN

Carbon Fiber Pole Telescopic type / Bipod

FOR RTK SURVEY

Choice of 2600mm and 2000mm.



► SPECIFICATIONS

MODEL	RCP-260	RCP-200
Full extended	2,600mm	2,000mm
Full closed	1,480mm	1,130mm
Screw	5/8 inch male	5/8 inch male
Weight	1.20kg	1.10kg
Graduation	Metric (5mm)	Metric (5mm)
Material	Carbon fiber	Carbon fiber
2nd section	Aluminium	Aluminium
Pole diameter	33mmφ	32mmφ

► OPTIONS



► SPECIFICATIONS

- Full extended : 1,800mm
- Full closed : 1,064mm
- Material : Aluminium
- Weight : 2.15kg
- Clamp size : 21 ~ 38mmφ

RB-C can store the carbon fiber pole and the bipod in assembled condition, it is easy to carry around and set up at field.

PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
Carbon Fiber Pole / 2,600mm	RCP-260	10	500293	CN
Carbon Fiber Pole / 2,000mm	RCP-200	10	223446	CN
Bipod	BIP-180	4	217426	CN
RTK Pole & Bipod Case	RB-C	1	219405	CN

STAFF & ACCESSORIES

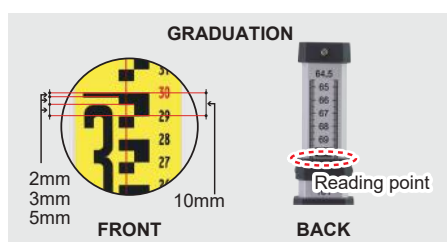
Aluminium Leveling Staff 3 × 5

COMBINATION OF PORTABILITY & LENGTH

Fit in the trunk of your car by 5 section structure.



SUPERIOR PORTABILITY
You can place ALG-35Y sideways in car trunk.

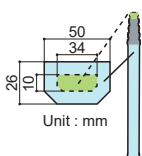


► FEATURES

- ALG series : Standard type
- Easy storage and transport
- Button protection label
- Hanging case

► SPECIFICATIONS

Graduation
Front : Metric YW
Back : Inside
Section : 3m / 5sec.
Full closed : 845mm
Weight : 1.20kg

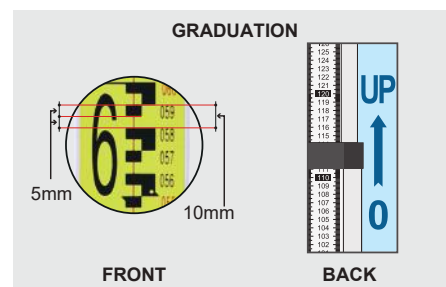


PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
Aluminium Leveling Staff 3m / 5sec.	ALG-35Y	8	222722	TW

Aluminium Leveling Staff 5 × 5

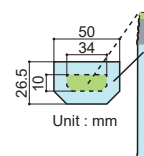
GOOD BALANCED

Good balanced economical model.



► SPECIFICATIONS

Graduation
Front : Metric YW
Back : 0 UP
Section : 5m / 5sec.
Full closed : 1,235mm
Weight : 1.50kg



PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
Aluminium Leveling Staff 5m / 5sec.	ALX-55Y2	10	222442	CN

Backpack for Stakes

LARGE CAPACITY × WATER RESISTANCE

Rainy day, with a lot of stuff, you'll be all right with STAKEBAG.



Large Capacity : 20 stakes
Stake size : 45 × 45 × 450mm = 20 stakes
: 70 × 70 × 600mm = 10 stakes

► FEATURES

- Double rassel mesh on the back pad
- Waist belt & tough shoulder straps
- Big front pocket with water resistant
- Two side-pocket inserts prevent tearing
- Bottom pad for heavy stakes

► SPECIFICATIONS

Material : Tarpaulin, Polyester, Foamed polyethylene
Max. load : approx. 10kg
Dimensions : approx. W41 × D24 × H55cm
Weight : approx. 1.5kg



Front pocket with water resistant

Side pockets with inserts



PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
Backpack for Stakes	M-PLB	1	222649	JP

Multi Cushion Case

IDEAL SIZE FOR ROTATING LASER

Protect your valuable instrument.



Detector with clamp 2 sets storable
*There are a few exceptions.

► FEATURES

- Light & tough
- Removable partition (1pc)
- Hard & soft cushions (hard × 1pc, soft × 4pcs)
- 2 way
- Multi case

► SPECIFICATIONS

Material : Nylon
Dimensions
Inner : W320 × H220 × D220mm
Outer : W360 × H250 × D260mm
Weight : 1.3kg

PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
Multi Cushion Case	M-MCC	1	222883	CN

SURVEYING INSTRUMENTS

Automatic Rotating Laser MJ-300 series

AUTO-LEVELING ROTATING LASER

Wide-range, 600m, automatic-leveling rotating laser.



► FEATURES

- Wide range usage 600m diameter
- Automatic self-leveling $\pm 3.5^\circ$ when power on
- Water and dust resistance IP54
- Light and compact body

► STANDARD ACCESSORIES

- Case
- Manual
- C alkaline battery $\times 4$
- Detector with clamp
MJ-300S : D-RE2 / D-RC
MJ-300 : MJ-RE2 / MJ-RC $\times 2$ sets
- Battery for detector



Case



Manual



C alkaline batteries $\times 4$
(for Laser)



for D-RE2 for MJ-RE2
Battery for Detector

► SPECIFICATIONS

Laser source	: Visible red laser diode
Wavelength	: 635nm
Laser class	: class 3R
Measuring range	: 0.5 ~ 300m (radius)
Accuracy	: $\pm 15''$ ($\pm 0.75\text{mm} / 10\text{m}$)
Self-leveling range	: $\pm 3.5^\circ$
Water & dust resistance	: IP54
Power	: C alkaline battery $\times 4$
Operating time	: approx. 20 hours
Tripod thread	: 5/8 inch $\times 11$ threads
Dimensions	: approx. 205 \times 155 \times 205mm
Weight	: approx. 1,850g (excl. battery)

Select a Detector set from below : D-RE2 or MJ-RE2 $\times 2$

Digital Laser Detector D-RE2 set

DIGITAL READOUT



► FEATURES

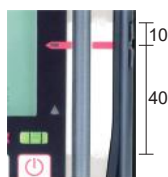
- 0 set function
- 5 grade resolution
- Wide detective window



Showing the gap from aimed height, accurate measurements can be made without moving the rod clamp.

0 Set Function

Setting any height as a datum point



Setting available range : 50mm from the center line
(upper : 10mm / lower : 40mm)

► SPECIFICATIONS

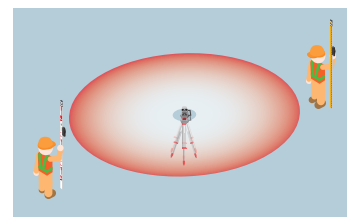
MODEL	D-RE2	MJ-RE2
Detective height	90mm (-30 ~ 60mm)	48mm (-24 ~ 24mm)
Numeric readout height	80mm (-25 ~ 55mm)	-
Detective angle	$\pm 45^\circ$	-
Detective wavelength	450 ~ 800nm	635nm
Resolution	0.5 / 1.0 / 2.0 / 5.0 / 10.0mm	-
Accuracy	-	$\pm 1.0\text{mm} / \pm 2.5\text{mm}$
Water & dust resistance	IP67	-
Power	AA alkaline battery $\times 1$	9V alkaline battery $\times 1$
Dimensions	135 \times 69 \times 25mm	136 \times 65 \times 25mm
Weight (excl. battery)	approx. 175g	approx. 170g

Detector MJ-RE2 $\times 2$ sets

WORK EFFICIENTLY WITH 2 DETECTORS



▲▼ (allows) shows whether the laser beam hits higher or lower than the center line.



PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O	PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
Automatic Rotating Laser / D-RE2 set	MJ-300S	1	221957	CN/DE	Automatic Rotating Laser / MJ-RE2 $\times 2$ set	MJ-300	1	219853	CN
Digital Laser Detector with Clamp	D-RE2/D-RC	1	222829	DE	Detector with Clamp	MJ-RE2/MJ-RC2	1	220158	CN
Digital Laser Detector	D-RE2	1	222830	DE	Detector	MJ-RE2	1	222947	CN
Clamp for D-RE2	D-RC	1	221960	DE	Clamp for MJ-RE2	MJ-RC2	1	222948	CN

MEASURING INSTRUMENTS

Digital Angle Level DIGILEVEL 250

COMPACT BODY WITH VISIBLE DISPLAY

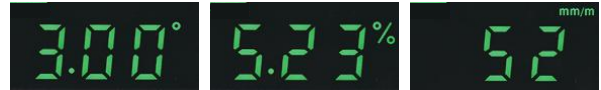
For building block walls, plumbing, equipment installation, etc.



Bright in the dark and light with green LED display



V-groove and Magnet to hold to variety of metal surface



3 units degree(°) / slope(%) / (mm/m)

► FEATURES

- Compact body 254mm
- Water and dust resistance IP54
- Automatic digit inversion
- Data hold
- 0 setting
- 0° and 90° beeper function
- Low battery indicator
- V-groove & magnet on the base
- Auto-power off approx. 3minutes
- Self-calibration

► SPECIFICATIONS

Resolution	: 0.05° • 0.08% • 1mm/m
Reading accuracy	: ±0.1°(at 0° & 90°) ±0.2°(at other)
Accuracy	: H ±0.5mm/m V ±0.75mm/m
Measuring range	: 4 × 90° (0 ~ 360°)
Operating temp.	: 0 ~ +40°C
Power	: AAA alkaline battery × 2
Dimensions	: 254 × 27 × 59mm
Weight	: approx. 372g (excl. battery)

PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
Digital Angle Level	DGL-250	1	222370	CN

Digital Asphalt Thermometer

READY TO USE

Needle probe SE-IN and 9V battery are included in the set.



Needle probe	SE-IN
Measuring range	-50 ~ 650°C
Size	38φ × 200mm
Cable length	approx. 1m

► OPTIONS

Surface probe	SE-SU
Measuring range	-20 ~ 400°C
Size	15φ × 115mm
Cable length	approx. 1m

► FEATURES

- Ideal for measuring asphalt with 200mm probe
- MAX / MIN, Relative measurement mode
- Data hold

► SPECIFICATIONS

Display	: 4 digits display
Sensor type	: Type-K Thermocouple
Measuring range	: -200 ~ 1,370°C
Resolution	: 0.1°C (at -200 ~ 200°C) 1°C (at 201 ~ 1,370°C)
Accuracy	: ±(0.5%rdg+1°C) (at 201 ~ 400°C) ±(0.3%rdg+1°C) (at other)
Power	: 9V battery × 1
Dimensions	: 164.1 × 53.7 × 34.3mm
Weight	: approx. 178.5g (including battery)

► SET CONTENTS

- Main unit
- Needle probe SE-IN
- Wire probe SE-WI (1m, -30 ~ 200°C)
- 9V battery × 1
- Manual



PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
Digital Asphalt Thermometer	AST10	1	223318	TW
Needle Probe	SE-IN	1	223319	TW
Surface Probe	SE-SU	1	223320	TW
Wire Probe	SE-WI	1	223451	TW
Miniature Connector	MCCN	1	223452	TW

Digital Caliper

STANDARD TYPE & WATERPROOF TYPE

Both types have a depth bar.



- 0 setting
- Data hold



- 0 setting
- Relative measurement
- Tolerance setting

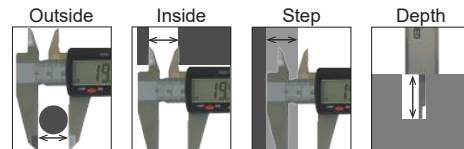


TOLERANCE SETTING

Green light will be on when measured value is within the specified tolerance range. (WCP-150)

► SPECIFICATIONS

MODEL	DCP-150	WCP-150
Measuring range	0 ~ 150mm	0 ~ 150mm
Resolution	0.01mm	0.01mm
Accuracy	±0.03mm	±0.02mm
Response speed	1.5m / second	3.2m / second
Water & dust resistance	-	IP67
Power	LR44 × 1	CR2032 × 1
Dimensions	235 × 77 × 16.2mm	235 × 76 × 15.4mm
Weight	156g	160g



► SET CONTENTS

- Caliper
- Battery
- Manual
- Case

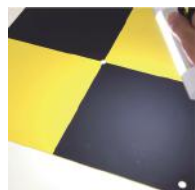
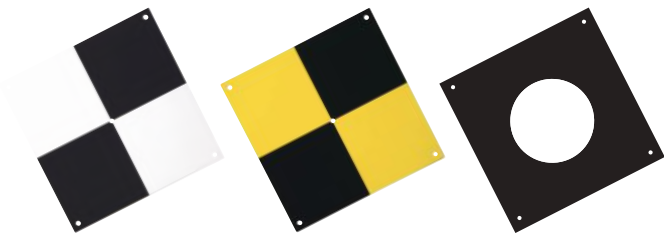
PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
Digital Caliper	DCP-150	1	220406	CN
Waterproof Digital Caliper	WCP-150	1	222686	CN

DRONE ACCESSORIES

Ground Control Point

VISIBLE CLEARLY FROM ABOVE

Greatly increase the global accuracy of drone mapping.



Restrain halation



PP : Hardly bend yet flexible



Center hole for a coordinate

► FEATURES

- Matte coating restrains halation
- Center hole for a datum point
- Four fixing holes at the corners (Nails are not included)

► SPECIFICATIONS

Dimensions : 395 × 395 × 1mm
Holes : 100mm dia. / 5 holes
Material : PP (polypropylene)
Weight : approx. 150g / 1 sheet
Quantity : 10 sheets

PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
Ground Control Point / Black & White	TH400-BW	1	221816	JP
Ground Control Point / Black & Yellow	TH400-BY	1	221817	JP
Ground Control Point / White Circle & Black	TH400-BWR	1	222171	JP

Digital Anemometer

WIND SPEED AND TEMPERATURE

Simple and lightest model with selected functions.



► FEATURES

- Beaufort scale & Wind chill
- Data hold
- MAX & AVERAGE data

► SPECIFICATIONS

Measuring range : 1 ~ 30.0m/s, -10 ~ 50°C
Resolution : 0.1m/s, 0.1°C
Power : AAA battery × 3
Dimensions : W54 × H163 × D30mm
Weight : approx. 120g

Max Wind Speed Resistance

Wind speed rises proportionally to the altitude. There is a big gap between wind speed on the ground and in the upper air especially in a built-up area. Drone pilot must pay the most careful attention to the wind.

Standard : up to 5m/s
MAVIC 2 : up to 10m/s
MATRICE 300RTK : up to 15m/s



PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
Digital Anemometer	DAM-30	1	222323	CN

GNSS Receiver Case

EASY TO BRING TO FIELD

Removable partition to get your favorite room



Rucksack



Hand carry



Sling



DJI Matrice 600Pro batteries TB47S can be stored up to 3 sets (18pcs).



► FEATURES

- Removable partition
- 3 ways to carry
- Reflective tape

► SPECIFICATIONS

Dimensions : Inner approx. 440 × 250 × 180mm
Outer approx. 450 × 300 × 235mm
Carrying belt : 1,100 ~ 1,650mm
Weight : 2.0kg

PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
GNSS Receiver Case	M-GPC	2	240725	CN

Safety Vest with PR Pocket

WITH YOUR ORIGINAL SIGN

Show what you are in a A4 size transparent pocket.



Back



Front

SAFETY FIRST

By wearing a safety vest, you can notify people that you are in control of a drone and ask them to not disturb you. Reducing the potential for disturbance will allow you as the drone pilot to focus on the task at hand.

► SPECIFICATIONS

Material : Tape PVC / Mesh Nylon
Size : Free (Length 60cm / Waist 90 ~ 124cm)
Reflection width : 70mm
Pocket : H215 × W320mm (A4 size)

PRODUCT NAME	MODEL	PKG QTY	CODE NO.	C/O
Safety Vest with PR Pocket	5941014	1	222208	CN

LiDAR SYSTEM

Drone mounted LiDAR System TDOT series

A LiDAR SYSTEM REVOLUTION - INS(IMU × GNSS) × LASER SCANNER × DRONE -

Scan under trees and water (TDOT GREEN), small & light sized body gives you precision measuring values.



TDOT 02



TDOT GREEN



Image of mounting to DJI Matrice 600 Pro

Difference between Photogrammetry and LiDAR surveying

Photogrammetry survey : Analyzes lots of continuous photos which deployed geometrically. Work flow of photogrammetry requires lots of time. Accuracy will rely on photo resolution and overlap rate for target area.

LiDAR survey : Measures target directly and analyzes captured data. Accuracy will rely on GNSS and INS(IMU × GNSS).



High Productivity

Getting a few days of work done in just a few hours.



High Versatility

Operator does not need to be a experienced land surveyor. Simple practice will do.



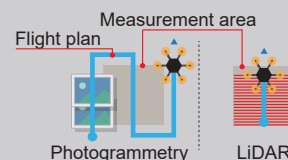
Photogrammetry



LiDAR

Short analysis time

Able to shorten the time compared with photogrammetry survey analysis.



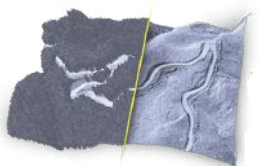
No side lap required

<Photogrammetry>
Require outside field flight
<LiDAR>
Complete inside of field

FEATURES



Photogrammetry LiDAR



Before After

Under tree canopies

Able to capture terrestrial point cloud data under tree. Some of emitted laser will reach to the ground among the gap of bush and leaves.

Filtering trees

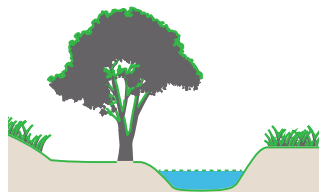
Direct measurement of topography under tree canopies by pulse rate 60,000 pulse per second.

INS : Inertial Navigation System

INS is high accuracy position & attitude sensor by combining GNSS and IMU. GNSS itself cannot achieve high accuracy positioning information unlike INS integrated system can do.

Bathymetry (TDOT GREEN)

Green laser is able to scan the water surface and underwater depth at the same time. For various topographical survey of coast, river, wet ground and asphalt.



Elevation step drawing



Shadow plot

SPECIFICATIONS

MODEL	TDOT 02	TDOT GREEN
Maximum distance	≥30%~200m over	≥10% 158m ≥60% 300m over
Accuracy	±4mm@50m ±20mm@150m	≥10% ±15mm ≥60% ±5mm
Laser pulse rate	60,000Hz / sec.	60,000Hz / sec.
Field of view	90° (±45°)	90° (±45°)
Echo switching	1st / Last / 1st&Last / 4echoes	1st / Last / 1st&Last / 4echoes
Scan speed	30 scanning / sec.	30 scanning / sec.
Laser wavelength	905 ±1nm	532 ±1nm
Bathymetric survey	-	Yes
Lifespan	10,000 hours	10,000 hours
Dimensions	W260 × H150 × D186mm	W260 × H150 × D220mm
Weight	1.8kg	2.6kg

INS SPECIFICATIONS

Horizontal accuracy	: ±10mm
Height accuracy	: ±20mm
Attitude accuracy	: Yaw : ±0.02° Pitch / Roll : ±0.01°

*INS specification is improved accuracy after processed by "TDOT POST-PROCESSING CLOUD".

SET CONTENTS

- Drone LiDAR system TDOT 02(Near-infrared) / TDOT GREEN(Green laser)
- Dedicated GNSS antenna
- Alignment flight checker
- Mobile battery
- Designated carrying case
- Pre-checking application "TDOT Pre PROCESSING"
- Processing application "TDOT PROCESSING"
- Application software "UNDERWATER CORRECT" *TDOT GREEN only
- Manual

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