TAMAYA

Digital Balloon Theodolite

SET

LIGHT

CAN

TD-4 shows unprecedented cost performance with high accuracy and high resolving power (0.01° as smallest unit of display). With its built-in memory, a data collector is no longer necessary. TD-4 is a digital balloon theodolite which traces a pilot balloon in the air, and through elevation and azimuth data informs the user the conditions in the upper atmosphere.

With a built-in memory function, the TD-4 can store up to 100,000 measurement data. The traditional data collector is no longer necessary, and the user cancheck stored data on the display of TD-4. Also, with the optional printer, the user can print out data real time. Or, the user can connect a computer to TD-4's RS-232C interface to analyze data from TD-4 with the computer.

> Compact, lightweight (5.2kg), and with high accuracy (smallest unit of display is 0.01° for both azimuth and elevation), TD-4 is about half in weight and five times the accuracy compared to TD-3, our previous model.

DIGITAL BALLOON THEODOLITE



With the optional printer, data can be printed out at real time.



TD-4's Data-processing Software

Using TD-4's data-processing software, the user can make graphs showing relationships between "altitude and wind direction" and "altitude and wind speed", as well as graphs showing the path of pilot balloon. The user can make such graphs based on azimuth and elevation data, taken at certain intervals, which are stored as Excel format.

SPECIFICATIONS

Main Telescop	De
Diameter	47mm
Magnification	18X
Image	Inverted
Field of view	2°30′
Resolution	3.5″
♦Sub Telescope	9
Diameter	16mm
Magnification	4X
Image	Inverted
Field of view	11°
Resolution	12"
	Display
Azimuth	0°–360°
Flevation	0°-360°
Smallest unit	0.01° (for both azimuth
officilest unit	and elevation)
Display	LCD (16 digits 2 lines)
	LCD (10 digits, 2 lines)
	Built in real time clock
CIOCK IUNCLION	Colondar function
Time e u	
	1-99 seconds
Command and a	alarm Buzzing
Input of measure	ement error Push button
Azimuth set fund	ction Key input (dialogue)
External input/or	utput function RS-232C
Operating time A	Approx. 20 hours continuous
Level vial	
Sensitivity	90″/2mm
	voight
Dimensions /	weight
Body	192(W)x240(D)x270(H)mm
Dimensions / Body	192(W)x240(D)x270(H)mm 5.2kg
 Dimensions / Body Case 	465(W)x220(D)x305(H)mm
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 Dimensions / Body Case Tripod(metal) 	192(W)x240(D)x270(H)mm 5.2kg 465(W)x220(D)x305(H)mm 4kg 1700mm(when fully expanded)
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 ◆Dimensions / V Body Case Tripod(metal) ◆Power 	465(W)x240(D)x270(H)mm 5.2kg 465(W)x220(D)x305(H)mm 4kg 1700mm(when fully expanded) 1030mm(when fully contracted) 4kg
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 Dimensions / Body Case Tripod(metal) Power Main power Backup memory 	465(W)x240(D)x270(H)mm 5.2kg 465(W)x220(D)x305(H)mm 4kg 1700mm(when fully expanded) 1030mm(when fully contracted) 4kg Lithium ion battery (rechargeable)
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 Dimensions / Body Case Tripod(metal) Power Main power Backup memory Accessories Hood 	192(W)x240(D)x270(H)mm 5.2kg 465(W)x220(D)x305(H)mm 4kg 1700mm(when fully expanded) 1030mm(when fully contracted) 4kg Lithium ion battery (rechargeable) Lithium battery 1 piece
 Dimensions / Body Case Tripod(metal) Power Main power Backup memory Accessories Hood Eyepiece filters 	192(W)x240(D)x270(H)mm 5.2kg 465(W)x220(D)x305(H)mm 4kg 1700mm(when fully expanded) 1030mm(when fully contracted) 4kg Lithium ion battery (rechargeable) Lithium battery 1 piece 1 piece 1 piece
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 ◆Dimensions / Body Case Tripod(metal) ◆Power Main power Backup memory ◆Accessories Hood Eyepiece filters (sw Tubular compass Level vial adjusti Earphone for bu Tripod Battery charger 	192(W)x240(D)x270(H)mm 5.2kg 465(W)x220(D)x305(H)mm 4kg 1700mm(when fully expanded) 1030mm(when fully expanded) 1030mm(when fully contracted) 4kg Lithium ion battery (rechargeable) Lithium battery 1 piece 1 piece 1 piece itch between colors by rotating) s 1 piece ing pin 1 piece zzer 1 piece 1 piece
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