	PRO	STANDARL
TELESCOPE		Carrying Case X 1 Charger X 1
Length	154mm	Battery X 2
Objective Lens Diameter	Telescope: 45mm Distance Meter: 50mm	Multi-port Cable X User Manual X 1
Magnification	30X	Plumb X 1
Image	Erect	Adjusting Pin X 1
Field of View	1°30′	SD-Card X 1 Mini-USB Cable X 1
Resolving Power	3"	
Mini. Focus	1.0m	
DISTANCE MEASUREMENT		OPTIONAL
Single Prism	5000m ^{*1}	
Non-Prism	400m ⁻² 800m ⁻²	
Accuracy -Prism Mode	±(2mm+2ppm x D)m.s.e. *3	
-Non-Prism Mode	±(3mm+2ppm x D)m.s.e. *3	
Measuring Time	Fine: 0.7s, Normal: 0.5s Fine: 0.3s, Normal: 0.2s *4	
Meteorologic Correction	ATMOSense (Auto Sensing)	
Prism Constant	Manual Input	
ANGLE MEASUREMENT		-
Method	Absolute Encoding	
Detecting System	H: 2 sides, V: 2 sides	
Min. Reading	1"/5"	Single Pri
Accuracy	2"	TP
Diameter of Circle	79mm	
Vertical Angle 0°	Zenith 0°/Horizontal: 0°	
Unit	360°/400gon/6400mil	
DISPLAY		
Display Unit	Graphic LCD 160 X 90 Dots with White Backlight	
No.of Unit	2 sides	/
Keyboard	Alphanumeric Key	/ / H
TILT CORRECTION		/_
Tilt Sensor	Dual Axis	/ 4
Method	Liquid Electric	— <u> </u>
Range	±4′	
Setting Unit	1"	<u> </u>
LEVEL SENSITIVITY	-	
Plate Level	30″/2mm	Aluminum Tripod
Circular Level	8'/2mm	
OPTICAL PLUMMET (OPTIONAL: INTERI		
·	Erect	
Image Magnification	3X	
	0.3m ~∞	
Focusing Range Field of View	5°	
DATA STORAGE & INTERFACE	3	—
	>10.000 points or > 20.000director	
Internal Memory Data Interface	>10,000 points or > 20,000 coordinates	
	RS 232/SD-card/Mini-USB	
	Ma	
Guide Light	No Yes	
Guide Light Weight & Dimension	5.4kg, 340mm(H) X 160mm(W) X 150mm(L)	DANG
Guide Light Weight & Dimension Working Temperature	5.4kg, 340mm(H) X 160mm(W) X 150mm(L) -20°C ~ +50°C	DAN
GENERAL Guide Light Weight & Dimension Working Temperature Battery Type Battery Voltage	5.4kg, 340mm(H) X 160mm(W) X 150mm(L)	DANG DANG DO NOT SU Checkly with

F2



Screw Driver X 1 Wiping Cloth X 1 Lens Cover X 1 Rain Cover X 1
Carrying Belt X 2
Reflecting Sheet X 1 Warranty Card X 1 Transfer Software CD X 1

OPTIONAL ACCESSORIES





Single Prism System

Triple Prism System TPS30



Aluminum Tripod ATS-1

Prism Pole & Prism System TPS107











^{*1.} Good condition: No haze, visibility about 40km, overcast, no scintillation.
*2. With Kodak Grey Card white side (90% reflectivity).
*3. Ostands for distance.
*4. Typically, under good condition, non-prism measuring time may differ acco
*5. According to F0A21 CFR Ch.1 § 1040.





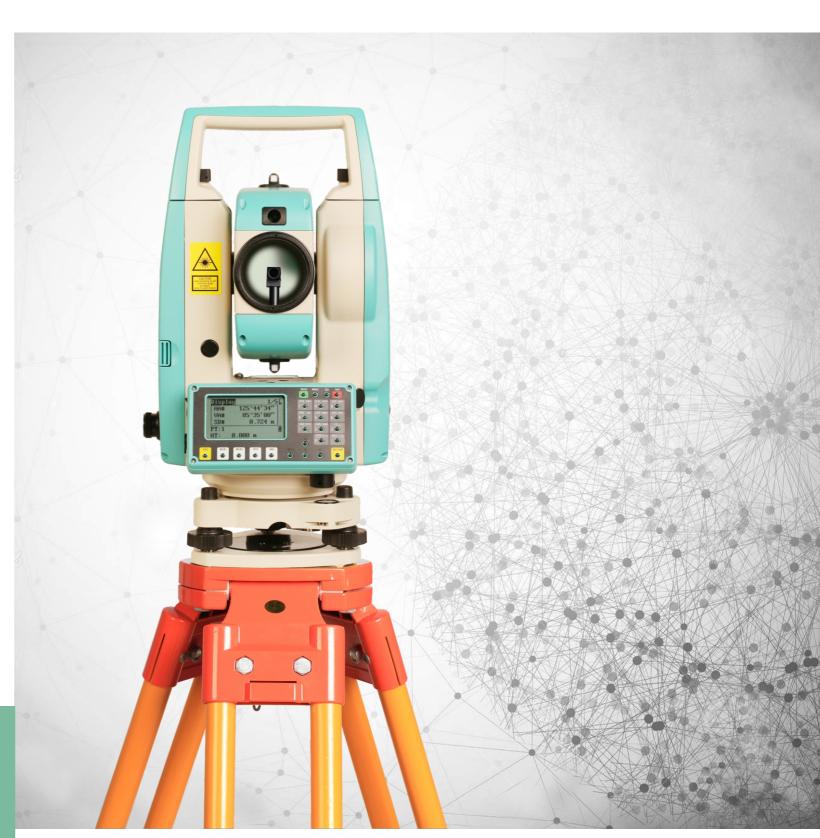
Add: 2/F, NO.24-26, Ke Yun Road, Guangzhou 510665, China Tel: +86-20-23380691
http://www.ruideinstrument.com
E-mail: export@ruideinstrument.com
support@ruideinstrument.com











SOFTWARE MAIN FEATURES



RDM8 DIS.TECH is a unique and innovative EDM technology of RUIDE, which enables R2 Pro to deliver an accurate and long non-prism distance range up to 800m within stunningly 0.3s measuring speed. 5km distance with prism can be easily achieved with a high precision of 2mm+2ppm.



R2 Series is the first total station which is equipped with auto sensor of temperature and pressure. **ATMOsense** system can detect the surrounding temperature and air pressure then calculate the PPM value and correct the distance measuring result in real time.



R2 Pro is equipped with the Guide Light on the EDM. A red and yellow LED will flash by turns, assisting the pole man to move the prism to the right position during stake-out process.



A sophisicated liquid-electronic compensator on 2 axis ensures a stable compensation within a tilt range of 4'.

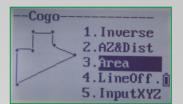


Various options for data transfer are available: SD-card, mini-USB, and RS232. Internal memory is capable to store up to 20,000 points. External storage can be extended to 2GB.

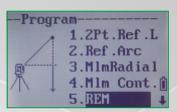


IP66 outstanding water and dust proof ensures a overall protection to the total station in any tough environments.





COGO is a suite of programs used in civil engineering for solving coordinate geometry problems. It employs some basic types of elements such as points, spirals, lines, curve, etc. to calculate the inverse, azimuth and distance, area, line and offset.



R2 Series provides various surveying programs which are usually used in survey job, including 2-point reference line, reference arc, measuring the HD, VD and SD between 2 points, remote elevation measurement, measuring distance and offset values on vertical plane, measuring distance and offset values on the slope plane, and road design.

























RTS TRANSFER

The transfer software RTS TRANSFER provides a complete and easy-to-use solution for data exchange between the total station and the computer, as well as transferring to DXF format.

Detailed raw data and coordinates data can be downloaded to the computer, and you can also edit and upload coordinates data and road data to the total station.

After you download the coordinates data to the computer, you can post process the data like changing the element order, and convert it to DXF file which can be used in CAD.

