

SPECIFICATIONS

X4	
Measuring Range	
1P	5.0km
3P	8-10 km
Non prism	1000m
Digital Display	Maximum: 99999999.9999    Minimum: 0.1mm
Accuracy	With prism: 2mm+2ppm, without prism 3mm+2ppm
Measuring Time	Tracking 0.1s, Fine 0.3s (optimal)
Atmospheric Correction	Automatic Correction by Inputting Parameter
Prism Constant	Automatic Correction by Inputting Parameter
Angle Measurement	
Measurement Method	Absolute   Encoding
Diameter of The Raster Disk	79mm
Minimum Reading	1 " / 5 "   Optional
Accuracy	2 "
Detection Method	Horizontal: Four Sensors                      Vertical: Four Sensors
Telescope	
Image	Erect
Length	154mm
Effective Aperture	45mm (DTM 50mm)
Magnification	30 X
Field of View	1° 30'
Resolving Power	3 "
Minimum Focus	1m
Compensation	
System	Dual axis liquid-electric
Working Range	± 3 '
Resolving Power	1 "
Sensitivity of Vials	
Plate Vial	30 " /2mm
Circular Vial	8' /2mm
Laser Plummet	Yes
Data Storage and Communication	
Internal Memory	12 M / 120,000   points
External Memory	USB Flash Memory (up to 32G)
Communication Port	USB, Bluetooth
Display	
Type	Dual sides, 6 lines, black and white
Battery	
Power Supply	Rechargeable battery (3100mAH)
Voltage	7.4V   DC
Operation Time	10 hours
Dimension and Weight	
Dimension	160mm×150mm×330mm
Weight	5.7 kg
Environmental Specification	
Dust/Water (IEC60529)	IP66
Working Temperature Range	-20℃~50℃
Humidity	95%, non-condensing



X4



The High Performance  
Total Station with Great  
Reliability, Flexibility and Economy



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Where Challenging Happens, Where Amazing Happens.

Seven Major Improvements  
To lift your capability and productivity

## TECHNOLOGIES

1000m

1000m  
Reflectorless

Speed

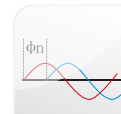
Ultra Fast  
Measurement



Co-axial  
Laser Beam



Ultra Low-  
noise Amplifier



Noise Phase  
Analysis



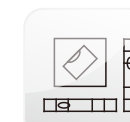
Carrier  
Frequency



Bluetooth



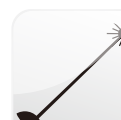
USB Storage



Dual Axis  
Compensation



Laser Plummet



Laser Pointing



IP66

## PROGRAMS



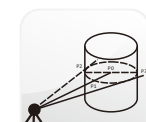
REM



Resection



Road Design



Column Offset



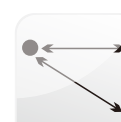
Plane Offset



Distance Offset



Area Cal.



MLM



P/L SO

The spirit of exploration and challenge is just like the light, leading people to advance to new frontiers.

In May 2020, Kolida instrument was chosen as the official equipment for China's national surveying team and reached the summit of Mount Qomolangma (Everest). During this mission of re-measuring the height of the world's highest peak, these surveyors showed us that we should never give up trying to achieve our dreams.

To mark this important milestone, Kolida launches a new total station X-METER series.

X is the unknown,  
X is the impossible,  
X is the extreme,

Let's meter all the "X" with our skill, courage and wisdom.  
Challenging Never Stops.



Video and Article: <http://www.kolidainstrument.com/product/details/id/72.html>