

HIGH QUALITY TOTAL STATIONS

GOWIN



TKS-202

READY FOR ALL JOBS

High Quality, All Purpose Total Stations

The Gowin TKS-202 is ideally suited for all jobs requiring the accuracy and versatility of a high-quality total station. Its ease of use makes it ideal for construction jobs like layout. It's 2-second accuracy makes it perfect for the most demanding surveying and measuring tasks. Its low price makes it the right choice for every budget.

With a full alpha-numeric keypad and onboard memory that will hold up to 24,000 points, a 14-hour Li-on battery life, and an IP54 environmental rating, the TKS-202 is a full-featured instrument designed to meet the most rugged demands.

Onboard software includes functions such as road, missing line measurement and resection. It can be seamlessly paired with any currently available Topcon or Sokkia controller and software for added convenience. It will also operate with an RS-232 cabled controller with a Topcon GTS series conventional total station driver.

Why work with out-dated instruments? The new Gowin TKS-202 lets you economically add the versatility and efficiency of a high-quality total station for all your layout, measuring, and surveying jobs.

MODEL TKS-202 Specifications

TELESCOPE

Length 150mm
Object Lens Diameter 45mm
(EDM:50mm)
Magnification 30x
Minimum Focusing Distance 1.3m

DISTANCE MEASUREMENT *

1 prism 2,000m
3 prism 2,700m
Accuracy $\pm(2\text{mm} + 2\text{ppm} \times \text{D})$ m.s.e.

MEASURING TIME

Fine Mode 1mm: 1.2sec (Initial 4sec)
0.2mm: 2.8sec (Initial 5sec)
Coarse Mode 0.7sec (Initial 3sec)
Tracking Mode 0.4sec (Initial 3sec)

ELECTRONIC ANGLE MEASUREMENT

Method Absolute Reading
Detecting System Horizontal Angle: 2
side, Vertical Angle: 1 side
Accuracy 2"

*Sight haze with visibility about 20km (12.5miles) moderate sunlight
with light heat shimmer.

TILT CORRECTION

Tilt Sensor Single Axis
Method Liquid Type
Compensating Range $\pm 3'$

DISPLAY

Display Unit 2 side
Display Type Dot Matrix Graphic LCD
Keyboard 24 keys

BATTERY LIFE

Angle & Distance Measurement 14 h
Angle Measurement Only 60 h

OTHERS

Serial Signal Connection Yes
Environmental Protection IP54
Internal Data Memory 24,000 pts
Ambient Temperature Range -4°F to
 $+122^{\circ}\text{F}$ (-20°C to $+50^{\circ}\text{C}$)
Plummet Optical Only



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