



Simple and Easy Entry level Reflectorless Total Station

- Design and Quality by TOPCON, Japan
- Long operation time
(three days by one charge*)
* one distance measurement every 30 seconds
- Laser pointer for layout
- Long range reflectorless measurement



Designed by Topcon

About 2LS™

2LS marks a new market concept in the laser tools business. 2LS incorporates products, sales and marketing material into a self-explaining platform. Products are high quality positioning tools that bridge the gap between "do-it-yourself" laser gadgets and industrial quality laser and surveying instruments used on large construction and civil engineering projects. And materials around the products ensure minimum time effort in understanding the capabilities, applications and unique feature points of the products via various modern marketing methods.

Specifications

Model		CYGNUS series	
		KS-102	
Telescope			
Magnification			30x
Image			Erect
Field of View			1°30'
Resolving power			3.0"
Minimum focus distance			1.3m
Angle measurement			
Display resolution			1" / 5"
Accuracy			2"
Axis compensator			1 axis, ±3' (Compensation range)
Distance measurement			
Measuring range	Reflectorless		200m
	Prism		2,000m (Single Prism)
Accuracy	Reflectorless		(3+2 ppm x D)mm
	Prism		(2+2 ppm x D)mm
Measuring time (Fine)	Reflectorless		1.1s
	Prism		1.1s
Interface and Data Management			
Display			Graphic LCD
Keyboard			24 Alpha-Numeric Keys
Control panel location			2 sides
Data storage	Internal memory		24,000 pts
	Plug-in memory device		N/A
Interface			Serial RS-232C
General			
Levels	Plate Level		30" / 2mm
	Circular level		10' / 2mm
Optical plummet (Magnification)			3x
Dust and water protection			IP54
Operating temperature			-20 to 50°C
Size with handle			336(H) x 184(W) x 172(L) mm
Weight with battery & tribrach			4.9kg
Power supply			
Battery			BT-77Q
Operating time(20°C)			Approx. 23 hours

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