



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 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 *1	230m
	Prism	2,300m*2 (Single Prism)
Accuracy	Reflectorless *1	(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

*1 With Kodak Gray Card White Side (90% reflective). Reflectorless range/accuracy may vary according to measuring objects, observation situations and environmental conditions.

*2 Good conditions: No haze with visibility about 40km (25 miles), overcast with no heat shimmer.

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