

Highly functional total station with outstanding operability

- Windows® CE is ready in a lightweight, compact body
- MAGNET™ Field On-Board Application Software
- Fast and Powerful Reflectorless EDM
- LongLink Data Communication
- Advanced Angle Measurement System
- Long-lasting battery
- Rugged and User-friendly Design

*Option



*Control panel location may vary depending on region or model.

*Option

SPECIFICATIONS	
Model	OS-105
Telescope	
Magnification/ Resolving power	30x/2.5"
Others	Length: 171mm (6.7in.), Objedive aperture: 45mm (1 .8in.)(48mm(1 .9in.) for EDM), Image: Erect, Field ofview: 1°30'(26m/1,000m), Minimum focus: 13m (4.3ft), Reticle illumination: 5 brightness levels

Anfle measurement		
Display resolution	1"/ 5" (0.0002/0.001gon, 0.005 /0.02mil)	
Accuracy(ISO 17123-3:2001)	5'	
Dual-axis compensator/Collimation compensation	Dual-axis liquid tilt sensor, working range: +6'(± 111 mgon)/Collimation compensation available	
Distance measurement		
Laser output * ¹	Reflectorless mode: Class 3R/ Prism/sheet mode: Class 1	
Measuring range (under average conditions* ²)	Reflectorless* ³	0.3 to 500m(1.0 to 1,640ft.)
	Reflective sheet* ^{4*⁵}	RS90N-K: 13 to 500m(43 to 1,640ft.),RS50N-K: 1.3 to 300m (4.3 to 980ft.),RS10N-K: 1.3 to 100m (4.3 to 320ft.)
	Mini prism	1.3 to 500m (1,640ft.)
	One prism	13 to 4,000m (43 to 13,120ft.)/Under good conditions * ⁶ : 13 to 5,000m (16,400ft.)
	Three prisms	to 5,000m(16,400ft)/Under good conditions * ⁶ : to 6,000m (19,680ft.)
OS, interface and Data management		
Operating system / Application	Microsoft Windows® CE 6.0 / MAGNET Field	
Display / Keyboard	3.5inch, Semi-transmissive TFT QVGA color LCD with LED backlight,Touch screen, Automatic brightness control / 26 keys with backlight	
Trigger key	On right instrument support	
Data storage	Internal memory	500MB internal memory (includes memory for program files)
	Plug-in memory device	USB flash memory (max. 8GB)
Power supply		
Battery	BDC70 detachable battery	Li-ion rechargeable battery
Operating time (20°C)	BDC70	Approx 20hours (single distance measurement every 30 seconds)
	External battery (option)*	BT-730: approx. 49hours (single distance measurement every 30 seconds)