



STS-750 Series



SUPER WIDE SCREEN WITH HIGH DEFINITION

STS-750/750R Series Total Station adopts 8 lines big screen high definition graphic display, alphanumeric keyboard, convenient operation and high level intelligence. Big screen with illumination function makes display more clear. Convenient data management system and applied surveying program help you easily accomplish your job.

32 BIT CPU WITH HIGH PERFORMANCE

STS-750/750R Series Total Station adopts internationally advanced level high performance PC system with 32 bit CPU, which enables it to work with high speed. With a big internal memory, it can store the coordinates of 20,000 points.

ABSOLUTE ENCODING

The new absolute encoding technology ends the time of manual initialization. Furthermore, STS-750/750R can save the previous data in case of incidental power off, which thus makes the work of surveyors more convenient.

WATER & DUST PROOF



	STS-752/755	STS-752L/755L	STS-752R/755R
DISTANCE MEASUREMENT			
single prism	2.0km	5.0km	5.0km
reflectorless	-	-	300m
accuracy	with reflector: 2+2ppm; without reflector: 3+5ppm		
reading	max: 99999999.999 min: 1mm		
measuring time	fine:2s; tracking:1s	fine: 1s; tracking: 0.5s	
Atmospheric refraction & earth curvation correction	manual input, auto correction		
prism constant	manual input, auto correction		
ANGLE MEASUREMENT			
measuring method	absolute encoding		
diameter of raster disk	79mm		
minimum reading	1"/5" selectable		
accuracy	2"/5" optional		
detection method	horizontal: dual vertical: dual		
TELESCOPE			
image	erect		
tube length	154mm		
effective aperture	Telescope: 45mm; EDM: 50mm		
magnification	30X		
field of view	1°30'		
resolving power	3"		
min. focusing distance	1m		
AUTO VERTICAL COMPENSATOR			
system	1-axis liquid-electric	2-axis liquid-electric	
working range	±3'		
accuracy	1"		
LEVEL			
plate vial	30"/2mm		
circular vial	8'/2mm		
OPTICAL PLUMMET			
image	erect		
magnification	3X		
focusing range	0.5m ~ ∞		
field of view	5°		
DISPLAY			
type	2 sides, alphanumeric keyboard		
ON-BOARD BATTERY			
type	rechargeable Ni-H battery		
voltage	6VDC		
operating time	8 hours		
DIMENSION & WEIGHT			
dimension	200 X 190 X 350mm		
weight	6.0kg		