



# Total Station

## MTS1200 Series Total Station

### Features:

- Equipped with absolutely encoding system.
- Fast speed distance measure.
- Extended internal memory (max. 50,000points)/SD card slot.
- High accuracy & long distance measuring range.
- Complete application programs with big LCD screen.
- Convenient data management system.
- Built in bluetooth for option.
- Reflectorless model MTS1202R/1205R also available.
- None prism maximum measuring distance: 1000m

### Specification:

Model No.:	MTS-1202/1205	MTS-1202R/1205R	MTS-1202R+
Telescope		Erect	
Image		30X	
Magnification		45mm	
Effective aperture		4"	
Resolving power		1° 30'	
Field of view		1.5m	
Minimum focus distance			
Distance measurement			
(under good weather condition) 1*			
1P	2.0km	5km	7.5km
3P	3.0km	/	/
Reflectorless 2*	/	500m	1000m
Reflective sheet 3*	/	1000m	1000m
Accuracy	prism mode: 2mm+2ppmxD		
	without prism mode: 5mm+3ppmxD		
	1mm		
Minimum count	ft. or m selectable		
Distance unit			
Measuring speed	1.8sec (first time 2.5sec).		
Fine	0.4sec		
Tracking	999999.999m		
Maximum display	manual input or auto correction		
Atmospheric correction	°C or F		
Temperature	manual input or auto correction		
Atmospheric pressure			
Atmospheric deflection & earth curvature correction	on(k=0.14/0.20)/off		
Electronic angle measurement method	Absolutely Encoding		
Accuracy	2"/5"	2"/5"	
Minimum reading	1"/5"/10"		
Plate level	30"/2mm		
Circular level	8'/2mm		
Tilt sensor	Dual axis		
Type	electronic		
Compensation range	±3'		
Resolution	1"		
Plummet	laser plummet		
Display	double side LCD display		
Data port	RS-232/SD card		
Memory points	50,000 points		
Power	rechargeable battery pack		
Operating hours	about 8 hours		
Working temperature	-20°C ~ +50°C		
Weight	6.5kg		
Standard outfit:	main unit, 2pcs rechargeable battery pack and 1pc charger, dust cover, instrument manual, plastic carrying case.		



1\* Good weather conditions: No haze, visibility about 40km, overcast, no scintillation.

2\* When performing reflectorless measurement, the possible measurement range and precision will change on the target reflection factor, weather conditions and location conditions.

3\* Reflective sheet (white 3M LDP series diamond-class, dimension 6cmx6cm), and object in shade, or sky overcast, no scintillation.

### Dealer

