

Reflectorless Total Station MTS-1002R series



**1000m
Reflectorless**



**Laser
Plummet**



USB Interface



Bluetooth

Features:

- 1000m reflectorless measuring range & 7.5km range by single prism (1002R+)
- Dual large LCD display for face left/right measurement
- Bluetooth connection & USB data output
- Visible red laser plummet or optional optical plummet
- Alphanumeric keypad for quick entering of letters and numbers
- A variety of surveying programs: Coordinate measuring, Setting out points, Resection, Missing line measurement, Offset point, Remote elevation measurement, Area calculation, Angle repetition, Set out line, Set out curve, Set out road
- Menu driven software with intuitive structure to maximize productivity
- Easy data upload and download via USB flash disk, Bluetooth or RS-232
- Expandable storage SD card (2G-16G Optional)

Specifications:

Model	MTS-1002R	MTS-1002R+
Reflectorless measuring range	600m	1000m
Measuring range with single prism	5km	7.5km
Internal Memory / SD-Card	40000 Points / 2G-16G	
Blue tooth connection	Yes	
Telescope		
Image	Upright	
Objective aperture	45 mm	
Magnification	30 x	
Field of view	1° 30'	
Resolving power	4"	
Shortest focus distance	1.5 m	
Distance measurement		
Accuracy	2 mm + 2 ppm	
Measuring time (Fine/Rapid/Tracking)	1.0s / 0.7s / 0.3s	
Minimum reading	1 mm	
Distance units	m / ft	
Angle measurement		
Minimum reading resolution	1" / 5" / 10"	
Angle accuracy	2"	
Angle units	100 % / 360° / 400 gon	
Compensator	Dual Axis, Electronic Type	
Range	± 3°	
Display		
Dual LCD	Dual Display, illuminated	
Laser plummet		
Accuracy	± 1.5 mm / 1.5 m	
Laser classification	Class II, red laser	
Power Supply		
Rechargeable battery type	7.2 V DC NiMH	
Operating time (Distance + Angle)	6 h	
Charger	100 / 240 V	
Vial sensitivity		
Plate level vial	30" / 2 mm	
Circular vial	8' / 2 mm	
Others		
Operating temperature	-20 °C - +50 °C	
IP-Class	IP 55	
I/O-Port	RS-232, Bluetooth, USB	
Weight	6.5 kg	



**Dual Large LCD display & USB data output
Topcon Operation System**



Standard Outfit: Total station, 2 rechargeable batteries, charger, download software CD, tool Kit, English manual, plastic carry case.

Optional Accessories: Data Download Cable, USB Flash Disk

Operation system language: English, Spanish(Optional)

Colors available: Yellow