

500m Reflectorless Total Station

MTS-102R



Features:

- Absolute encoding system for accuracy & stable performance
- 500m reflectorless measuring range & 50000 memory points
- Dual LCD display for face left/right measurements
- Alphanumeric keypad for quick entering of letters and numbers
- Fully featured on board software: Angel measurement, Distance measurement, Coordinate measurement, Setting out, Offset, Missing line, Rem, Resection, Area calculation, Setting out line,
- More than 10 hours of operation time
- IP54 water and dust proof



Specifications:

Model	MTS-102R
Reflectorless measuring range	500m
Measuring range with 1 prism	3 km
Internal Memory Points	50000 Points
Telescope	
Length	150mm
Image	Upright
Objective aperture	45 mm
Magnification	30 x
Field of view	1° 30'
Resolving power	3"
Shortest focus distance	1.3m
Distance measurement	
Accuracy	2 mm + 2 ppm
Measuring time (Fine/Coarse/Tracking)	1.2s / 0.7s / 0.4s
Minimum reading	1 mm
Distance units	m / ft
Angle measurement	
Method	Absolute Encoding
Minimum reading resolution	1" / 5"
Angle accuracy	2"
Angle units	100 % / 360° / 400 gon
Compensator	Single Axis, Liquid -Electric Type
Range	± 3"
Display	
Dual LCD	Dot Matrix Graphic LCD (160x64dot)
Keyboard	24 keys
Laser Plummet	
Red laser diode	635nm ± 10nm
Power Supply	
Rechargeable battery type	DC 6V Ni-MH
Operating time (Distance + Angle)	10 h
Charger	220 V
Vial sensitivity	
Plate level vial	30" / 2 mm
Circular vial	10' / 2 mm
Others	
Operating temperature	-20 °C - +50 °C
Serial Signal Connection	Yes
IP-Class	IP 54
I/O-Port	RS-232
Weight	6 kg



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