

Total Station



Model No.	TP System GTS-102N	MTS102N
Angle Measurement	Measurement Method	Absolute Encoding
	Minimum Readout	1"
	Accuracy	2"
Telescope	Aperture	45mm
	Image	Erect
	Magnification	30X
	Field of View	1° 30'
	Minimum Focus Distance	1.5m
	Reticle Illuminated	Yes
Compensator Tilt Correction	System	Dual Axis Tilt Sensor
	Working Range	±3'
	Accuracy	1" (0.1mgon)
Measurement Range (Single Prism)	Single Prism	3500m
	Reflective Sheet	350m
	Accuracy	±(2mm+2ppm×D)
Measurement Range (Non-Prism) (For Option)	Reflectorless Range	400m
	Accuracy	±(3mm+2ppm×D)
Communication	Wireless Communication	Bluetooth (For Option)
Operation	System	Real-time Operating System
	Display	Liquid Type
	Keyboard	2 Sides Alphanumeric Backlit Crystal Keyboard
Level Sensitivity	Circular Level	8'/ 2mm
	Plate Level	30'/ 2mm
Laser Plummet	Type	Laser Point
	Centering Accuracy	1mm at 1.5m Instrument Height
Environmental	Operating Temperature	-20℃ ~ +55℃
	Storage Temperature	-40℃ ~ +60℃
	Temperature & Pressure	Manual Input
	Dust & Water Proof (IEC60529 Standard)	IP55
Power Supply	Battery type	Li-ion 8.4V 2200mAh
	Operating Time	Optimal 16h (Angle Measurement Each 30s)/ 6h (Typical)
	Measuring Times	Approx. 12000 Times

Total Station



Model No.	TP System GM52	MTS1002R	MTS1002R+
Angle Measurement	Measurement Method	Absolute Encoding	
	Minimum Readout	1"	
	Accuracy	2"	
Telescope	Aperture	45mm	
	Image	Erect	
	Magnification	30X	
	Field of View	1° 30'	
	Minimum Focus Distance	1.5m	
	Reticle Illuminated	Yes	
Compensator Tilt Correction	System	Dual Axis Tilt Sensor	
	Working Range	±3'	
	Accuracy	1" (0.1mgon)	
Measurement Range (Single Prism)	Single Prism	5000m	7500m
	Reflective Sheet	1000m	1000m
	Accuracy	±(2mm+2ppm×D)	
Measurement Range (Non-Prism)	Reflectorless Range	600m	1000m
	Accuracy	±(3mm+2ppm×D)	
Communication	Internal Data Memory	50000 Points	
	Interface	Standard RS232,USB Port	
	Wireless Communication	Bluetooth	
Operation	System	Real-time Operating System	
	Display	Liquid Type	
	Keyboard	2 Sides Alphanumeric Backlit Crystal Keyboard	
Level Sensitivity	Circular Level	8'/ 2mm	
	Plate Level	30'/ 2mm	
Laser Plummet	Type	Laser Point	
	Centering Accuracy	1mm at 1.5m Instrument Height	
Environmental	Operating Temperature	-20 C ~ +55 C	
	Storage Temperature	-40 C ~ +60 C	
	Temperature & Pressure	Manual Input	
	Dust & Water Proof (IEC60529 Standard)	IP55	
Power Supply	Battery type	NI-MH Battery BDC25H 7.2V 2500mAh	
	Operating Time	Optimal 20h (Angle Measurement Only)/ 10h (Typical)	
	Measuring Times	Approx.12000 Times	

Total Station



Model No.	SK System	MTS1202R	MTS1202R+
Angle Measurement	Measurement Method	Absolute Encoding	
	Minimum Readout	1"	
	Accuracy	2"	
Telescope	Aperture	45mm	
	Image	Erect	
	Magnification	30X	
	Field of View	1° 30'	
	Minimum Focus Distance	1.5m	
	Reticle Illuminated	Yes	
Compensator Tilt Correction	System	Dual Axis Tilt Sensor	
	Working Range	±3'	
	Accuracy	1" (0.1mgon)	
Measurement Range (Single Prism)	Single Prism	5000m	7500m
	Reflective Sheet	1000m	1000m
	Accuracy	±(2mm+2ppm×D)	
Measurement Range (Non-Prism)	Reflectorless Range	600m	1000m
	Accuracy	±(3mm+2ppm×D)	
Communication	Internal Data Memory	50000 Points	
	Interface	Standard RS232,USB Port	
	Wireless Communication	Bluetooth	
Operation	System	Real-time Operating System	
	Display	Liquid Type	
	Keyboard	2 Sides Alphanumeric Backlit Crystal Keyboard	
Level Sensitivity	Circular Level	8'/ 2mm	
	Plate Level	30'/ 2mm	
Laser Plummet	Type	Laser Point	
	Centering Accuracy	1mm at 1.5m Instrument Height	
Environmental	Operating Temperature	-20℃ ~ +55℃	
	Storage Temperature	-40℃ ~ +60℃	
	Temperature & Pressure	Manual Input	
	Dust & Water Proof (IEC60529 Standard)	IP55	
Power Supply	Battery type	NiMH Battery BDC25H 7.2V 2500mAh	
	Operating Time	Optimal 20h (Angle Measurement Only)/ 10h (Typical)	
	Measuring Times	Approx.12000 Times	

ANKEENS

