

U-LINER

TOTAL STATION

MTS-1002R

600m

Reflectoress



FEATURES

- Economical, value-priced measuring solution, rugged, durable, water resistant design
- Big LCD display for convenient reading
- Expanded, full numeric keypad.
- On-board program & 50000 points storage.
- Ideal as a construction stake out total station.
- Non-prism measuring range up to 600m.
- Integrated with bluetooth and USB port.

ANGLE MEASUREMENT

Measurement Method	Absolute Encoding
Minimum Readout	1"
Accuracy	2"

COMPENSATOR

System	Dual Axis tilt Sensor
Working Range	±3'
Accuracy	1" (0.1 mgon)

DISTANCE MEASUREMENT (with reflector)

(under general / good conditions)

Single Prism	2000m
Reflective Sheet	900m
Accuracy	±(2mm+2ppmxD)

OPERATION

System	Real-time operating system
Display	Liquid type
Keyboard	2 sides alphanumeric backlit crystal keyboard

ENVIRONMENTAL

Operating temperature	-20°C to ~ +50°C
Storage temperature	-40°C to ~ +70°C
Temperature & Pressure	Manual input
Dust & Water Proof (IEC60529 standard)	IP55

TELESCOPE

Image	Erect
Magnification	30X
Field of view	1° 30'
Minimum focus distance	1.3m
Reticle	illuminated

COMMUNICATION

Internal data memory	50000 points
Interface	standard RS232,USB port
Wireless communication	Bluetooth

DISTANCE MEASUREMENT (Reflectorless)

Reflectorless Range	600m
(Calculated by Korda Gray Card white side with 90% reflective)	
Accuracy	±(3mm+2ppmxD)

OPTICAL PLUMMET

Image	Erect
Centering Accuracy	3x
Focusing Range	0.3m to infinite
Field of View	5°

POWER SUPPLY

Battery Type	Ni_MH Battery BDC25H 7.2V 2000mAh
Operating Time	Optimal 16 hours
Measuring Times	Approx. 12000 times