

 **Distance Measurement**

TYPE	NTS-362R/5R	NTS-362L/5L
	Red visible laser	Infrared laser
Carrier Wave (for NTS-362R/5R series only)	0.650 – 0.690 $\mu$ m	
Measuring System	Basic frequency 60MHZ	
EDM Type	coaxial	
Min Display	0.1mm	
Laser Facular (for NTS-362R/5R series only)	Reflectorless	Approx :7×14mm/ 20m
	With reflector	Approx:10×20mm/50m
Atmospheric Correction	Manual input, Auto correction	
Atmospheric Refraction And Earth Curvature Correction	Manual input, Auto correction	
Prism Constant	Manual input, Auto correction	
Dist Unit	Meter / U.S. feet/International feet/Feet –inch selectable	
Reading	Max:99999999.9999 m	Min:0.1 mm
Average Measurement Times	Average value of 2~255 times' measuring, selectable	
<b>ACCURACY</b>		
<b>For NTS-362R/5R series only</b>		
<b>With reflector</b>		
Measurement Mode	Accuracy Standard Deviation	Measuring Time
Fine	$\pm(2\text{ m m} + 2\text{ppm}\cdot\text{D})$	<1.2s
Tracking	$\pm(5\text{ m m} + 2\text{ppm}\cdot\text{D})$	<0.5s
IR-sheet	$\pm(5\text{ m m} + 2\text{ppm}\cdot\text{D})$	<1.2s
<b>Reflectorless</b>		
Measurement Mode	Accuracy Standard Deviation	Measuring Time
Reflectorless Fine	$\pm(5\text{ m m} + 2\text{ppm}\cdot\text{D})$	<1.2s
Reflectorless Tracking	$\pm(10\text{ m m} + 2\text{ppm}\cdot\text{D})$	<0.5s
<b>For NTS-362L/5L series only</b>		
EDM Measuring Program	Accuracy Standard Deviation	Measuring Time
Fine	$\pm(2\text{ m m} + 2\text{ppm}\cdot\text{D})$	<1.2s
Tracking	$\pm(5\text{ m m} + 2\text{ppm}\cdot\text{D})$	<0.5s
<b>MEASUREMENT RANGE</b>		
<b>For NTS-362R/5R series only</b>		
<b>With reflector</b>		
Fine Weather Condition	Single Standard Prism	Reflector Tape
Longest Distance	5000m	800m

Reflectorless		
Atmospheric	No reflector (white target) ※	No reflector (grey,0.18)
Object in strong sunlight, severe heat shimmer	240m	150m
Object in shade, or sky overcast	300m	180m
※ Kodak Grey Card used with exposure meter for reflected light		
For NTS-362L/5L only		
		<b>NTS-362L/5L</b>
Longest Distance (Fine weather)	Single Prism	5.0 Km

## Other specifications

	NTS-362(L/R)	NTS-365(L/R)
ANGLE MEASUREMENT		
Measuring method	Absolute continuous	
Dia. of circle	79mm	
Minimum reading	1" / 5" Selectable	
Accuracy	2"	5"
Detection method	Horizontal: Dual Vertical : Dual	
TELESCOPE		
Image	Erect	
Tube length	154mm	
Effective aperture	45mm, (EDM: 50mm)	
Magnification	30×	
Field of view	1°30'	
Minimum focus	1m	
Resolution ratio	3"	
AUTO COMPENSATOR		
System	Dual axis Liquid-electric	
Working range	±3'	
Accuracy	3"	
VIAL		
Plate vial	30" / 2mm	
Circular vial	8' / 2mm	
OPTICAL PLUMMET		
Image	Erect	
Magnification	3×	
Focusing range	0.5m ~ ∞	
Field of view	5°	
DISPLAY		

Type	LCD, 6 lines, digital
<b>DATA COMMUNICATION</b>	
Port	R S - 2 3 2 C , USB , SD
<b>ON-BOARD BATTERY</b>	
Type	Rechargeable Ni-H battery
Voltage	DC 6 V
Model	NB - 25
Continuous operation time	8 hrs
<b>ENVIRONMENT</b>	
Temperature	-20°~+50°C
<b>DIMENSION &amp; WEIGHT</b>	
Dimension	160×150×330m m
Weight	5.2 kg