

# LATEST VERSION

## DTM SERIES TOTAL STATION

*“ADVANCE FEATURES AT SIMPLE PRICES”*

The *DTM Series* of Total Station comes with best performance giving features and easy to use specifications. This Series are one of the latest Total Station having *high range* of distance measuring capacity with *high accuracy*. It possesses both manual and automatic correction mode for input parameter. It has double axis liquid electronic sensor compensation. The LCD four line digital has two sided identical *graphical displays* with *powerful battery backup*. Moreover it supports *easy data transfer*.



### Other features



High range accuracy



Easy data transfer



Powerful performance.



Totally sealed structure for use in any weather.



Standard accessories

MODEL	DTM152M	DTM624R	DTM622R	DTM626R	DTM752R	DTM822R
<b>TELESCOPE</b>						
Image	Erect		Right reading			
Tube length	165mm		170mm			
Objective aperture	48mm					
Magnification	30 X					
Viewing angle	1°30'					
Resolution	3.75"		3.5"			
Mini. Focus distance	1m		1.5m			
Stadia ratio	100					
Sight distance precision	≤0.4%D					
<b>ANGLE MEASUREMENT</b>						
Angle measurement method	Absolute code					
Diameter of Circle(horizontal, vertical)	79mm					
Min. reading displayed	1",5",10" Selectable			1"		
Measuring unit	360°/400gon/6400mil Selectable					
Vertical angle 0°	Zenith 0°/Horizontal 0°Selectable					
Detection method	Horizontal circle: 2 sides Vertical circle: 2 sides					
Accuracy	2", 5"	2", 5"	2", 5"	2", 5"	2", 5"	2", 5"
<b>DISTANCE MEASUREMENT</b>						
Max distance (in good weather)	Singles prism	3.0 Km				
	Three prisms	5.0Km				
	No-prism	400m	400m	600m	600m	400/600m for selections
Digital display	Max: 999999.999 m , Min.: 1 mm					
Precision	±(2mm+2ppm•D)		No-prism 3+2ppm, have prism 2+2ppm			
Unit	m /ft for selection					
Time of measuring	Fine single shot: 1S, Tracking: 0.8S		Single fine measurement 2 sec. , Tracking 0.8 sec			
Number of measurements	1/2/3/4/5/continuous		1 - 99			
Meteorologic correction	Manual input, Auto correction		Automatic correction of input parameter			
Reflection prism correction	Manual input					
Atmospheric refraction and earth curvature correction	Automatic correction of input parameter, K= 0.14					
Prism constant correction	Automatic correction of input parameter					
<b>AUTOMATIC VERTICAL COMPENSATOR</b>						
System	Single axis liquid electronic sensor compensation				Double axis liquid electronic sensor compensation	
Work range	±3'					
Precision	6"					
<b>LEVEL</b>						
Plate level	20"/2mm					
Circular level	8'/2mm					
<b>LASER PLUMMET</b>						
Laser type	Red visible laser					
Accuracy	1mm at 1.5m instrument height					
Laser spot	2mm/1.5m					
<b>DISPLAY</b>						
Type	LCD, four lines, digital		Two sides, graphically identical display			
<b>DATA TRANSMISSION</b>						
Interface	RS – 232					RS – 232, SD Card, Bluetooth
<b>BATTERY</b>						
Power supply	Rechargeable lithium battery					
Volt.	DC7.4V					
Continuous operation time	BDC 4000mAh, angle measurement: 30hours, distance measurement: 12hours					
<b>OPERATION ENVIRONMENT</b>						
Operating temperature	-20° ~ +55°C					
<b>SIZE AND WEIGHT</b>						
Size	180mm×175mm×355mm		174X207X383mm			
Weight	6.5kg		6.8kg			
<b>OTHER SPECIFICATION</b>						
Internal memory	100000 measurements					
External memory						8 GB SD Card
Charger	100/240V, with Indicator					
Protection of dust and water	IP66					

