



Reflectorless Total Station DTM-822R



SIMAI SURVEYING INSTRUMENT CO., LTD

Reflectorless Total Station DTM822R

Distance measurement		
Maximum distance	Singles prism	3.0 Km
(under good weather conditions)	Three prisms	5.0Km
	No-prism	400m/600m for selection
Digital display		Max: 99999999.9999 m Min.: 0.1 mm
Precision		No-prism 5+3ppm, have-prism 2+2ppm
Unit		m / ft for selection
Time for measuring		Single fine measurement 2 sec. tracking 0.8 sec
Number of measurements		1~ 99
Meteorologic correction		Automatic correction of input parameter
Atmospheric refraction and earth curvature correction		Automatic correction of input parameter, K=0.14
Prism constant correction		Automatic correction of input parameter
Angle measurement		
Angle measurement method		Absolute code
Grating disc dia. (horizontal, vertical)		79mm
Min. reading displayed		1"
Detection method		Horizontal circle: 2 sides Vertical circle: 2 sides
Precision		2"
Telescope		
Imaging		Right reading
Barrel length		170mm
Objective lens effective aperture		48mm
Magnification		30×
Viewing angle		1°30'
Resolution		3.5"
Min. focus distance		1.5m
Automatic vertical compensator		
System		Single axis, double axis liquid electronic sensor compensation
Operating range		±3'
Accuracy		±3 "
Level		
Level tube		20" / 2mm, 30" / 2mm
Circular vial		8' / 2mm
Optical plummet		
Imaging		Positive image
Magnifying ratio		3×
Focusing range		0.5m ~ ∞
Field angle		5°
Display		
Type		Two sides, graphically
Data transmission		
Interface		RS-232C, SD-card, Bluetooth
Battery		
Power supply		Rechargeable Ni-MH battery, rechargeable lithium battery
Volt.		Lithium battery: DC7.6V; Ni-MH battery: DC7.2V
Continuous operation time		8hours
Size and weight		
Overall dimensions		174×207×383mm
Weight		6.8kg

SIMAI SURVEYING INSTRUMENT CO., LTD

info@simaisurveyinginstrument.com www.simaisurveyinginstrument.com

ADD: 22#2802 RUNYUAN, NO.293 LIANHUA ROAD, ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE, HEFEI CITY, ANHUI PROVINCE, CHINA.

