

INTRODUCING THE NEW HTS-580 SERIES TOTAL STATION



New Panel and LCD Design



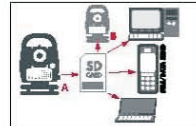
New on-board Road Program



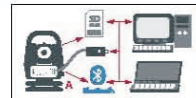
100,000 points internal memory capacity



External memory card slot



Data sharing possibilities using external memory card



Versatile methods of data transfer

NEW FEATURES

1. Wider LCD panel and redesigned keyboard. Bright LCD backlight for clear and easy viewing. New Ergonomic buttons for comfortable and easy operation.

2. On board Road Design program which facilitates the design, customisation and construction of roads.

3. Upgraded Internal memory capacity of 100,000 points ensures you never run out of memory space.

Using a standard 512k SD Card, the user can store up to another 100,000 data points.

4. Built in external memory support using SD card interface. The instrument can now store and transfer data conveniently to appropriate communication devices via a built-in SD memory card slot.

Survey data can now be transferred easily to PCs and Lap Tops for processing, Mobile phones for sending to another party, or another Total Station.

5. Users can now choose to transfer data to and from the total station using an external memory card, RS-232 or USB cable interface.

Bluetooth integration is also available to users as an option.

This means that the data transfer process is now much more versatile and convenient for the user, with so many data transfer options available.

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HTS-580 SERIES SPECIFICATIONS

HTS-580 SERIES SPECIFICATIONS	HTS-582R	HTS-585R	HTS-582	HTS-585
Model	Reflectorless		Standard	
Laser Class	Class 3R Laser Product		NA	
Conformity	IEC 60852-1:2001		EN 60825-1:1994 +A11:1996	
Telescope	Fully Transiting, Coaxial Sighting & Distance Measuring Optics			
Image	Erect			
Magnification	30X			
Objective Aperture	45mm; EDM: 50mm			
Resolving Power	3"			
Field of view	1°30'			
Minimum Focus	1m			
Angle Measurement	Photoelectrical Scanning by Incremental Decoder			
Display Resolution	1"/ 5" Selectable			
Angle Accuracy (DIN 18723)	2"	5"	2"	5"
Measuring Mode	H: Clockwise/ Counterclockwise Selectable, 0 set, Angle Input, Availability. & V: Zenith 0/ Horizontal 0, selectable			
Measuring time	0.8s		1.8s	
Distance Measurement	Modulated laser type: 0.670µm Basic Frequency: 60MHz, Coaxial EDM		Infra-Red	
Laser Spot	7 x 14mm / 20m		NA	
Unit	Meters/ Feet Selectable			
Measuring Range				
a. Single Prism (64mm diameter)	5000m	3000m	2500m	2000m
b. Triple Prism (64mm diameter)	6000m	5000m	3000m	2500m
c. Mini prism (25.4mm diameter)	800m	800m	500m	500m
d. Retro Target	500m	300m	NA	NA
e. Reflectorless	120m/(200m)*	120m/(200m)*	NA	NA
Display Resolution	1mm			
Accuracy				
a. Fine mode with prism	2mm + 2ppm X D	2mm + 2ppm X D	2mm + 2ppm X D	2mm + 2ppm X D
b. Track mode with prism	3mm + 2ppm X D	5mm + 2ppm X D	2mm + 2ppm X D	5mm + 2ppm X D
c. Reflectorless mode	2mm + 2ppm X D	2mm + 2ppm X D	NA	NA
Measuring Time				
a. Fine mode with prism	1.4s	1.6s	1.8s	1.8s
b. Track mode with prism	1.2s	1.2s	0.7s	0.7s
c. Reflectorless mode	0.8s	0.8s	NA	NA
Metrological correction	Manual Input, Auto correction			
Atmospheric Refraction & Earth Curvature correction	Selectable K=0.14/ 0.02			
Sensitivity of vials	Plate Vial - 30"/ 2mm, Circular Vial - 8'			
Compensator				
System	Liquid Electric Detection type			
Compensator range	±3'			
General				
Display Keyboard	Alphanumeric/ Dot matrix LCE/ White backlight/ on both faces/ 28 keys			



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Data Storage	100, 000 points internal/ SD card compatibility external	
Data transfer interface	RS232/ USB selectable	
On board software	REM, MLM, Missing Line, Area, Point to Line, Layout, Offsets. Z-coordinates, Road Design	
Laser pointer	Yes	No
Tribrach	3-pin forced groove, detachable	
Plummet	Optical plummet: Erect image, 3 x 0.3m to ∞, Field View 5° Optional Integrated Laser plummet Class II product, Programmable on-board	
Battery	Compact Ni-H battery, 6V DC, Operation time 8 hrs	
Charger	Quick battery charger with separate power cord	
Operating temperature	-20°C to +50°C	
Size and Weight	200 x 180 x 350mm, 5.8kg	

*** Measurement range of 200m is for the extended reflectorless models
HTS-582RX and HTS-585RX**



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