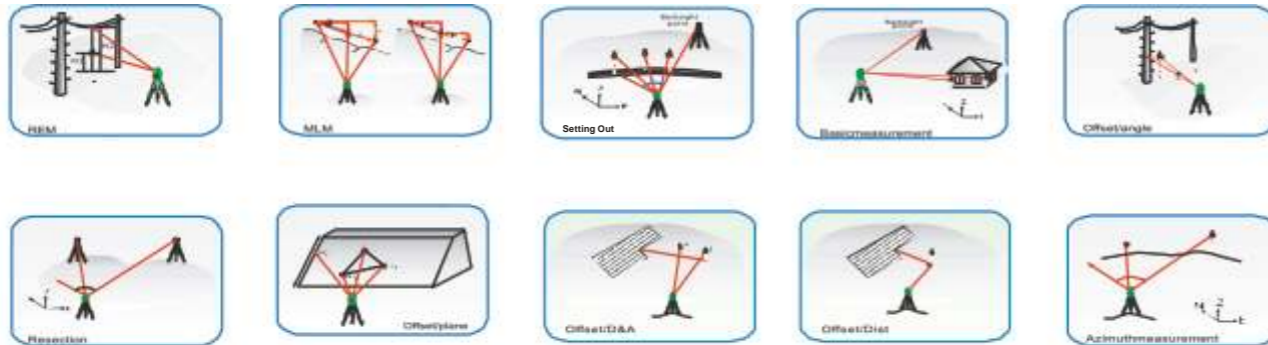


Specifications

Items	Model	RTS 682	RTS 685	Items	Model	RTS 682	RTS 685
Telescope				Optical plummet			
Length		156mm		Accuracy		±0.8mm/1.5m	
Image		Erect		Image		Erect	
Objective aperture (EDM)		φ45mm		Magnification		3x	
Magnification		30x		Field of view		4°	
Field of view		1° 30'		Focus range		0.5m~∞	
Resolving power		3.0"		*4 Laser plummet (Factory optional)			
Shortest focus distance		1.0m		Accuracy		±0.8mm/1.5m	
Distancemeasurement				Display			
Measurement range (Good condition)*2				LCD		LCD 9lines×24characters	
Single prism		1 to 2200m		Illumination		Yes	
Three prisms		1 to 2800m		Power			
Accuracy		2mm+2ppm		Battery		NI-MH Rechargeable battery	
Measuring time		1.5s/0.7s (Fine/Tracking), initial: 3s		Output voltage		7.4VDC	
Minimum reading		Fine/Rapid mode Tracking mode		Continuous operation time		12 hours, continuous distance/angle measurement 20 hour, angle measurement only	
Temperature input range		-30°C ~ +60°C (1°C steps)		Charger		FDJ6 (100V to 240V accepted)	
Steps		1°C/17 (auto-correction selectable)		Sensors Built-in temperature and pressure sensors			
Pressure input range		510hPa to 1066hPa (1hPa steps)		Programs NEZ/NEZ Stakeout/Resection/REM/MLM/A-D Stakeout/Point projection Area/Height/Resection/Azimuth/Line setting out/NEZ Inverse/Offset/Road Calc			
Steps		1hPa/1mmHg/0.1inchHg (auto-correction selectable)		Others			
Prism constant correction		-99.9mm to +99.9mm		Processor		32-bit CPU	
Distance unit		m/feet selectable		Memory		10 000 point onboard memory	
Angle measurement				Weight (include battery)		6kg	
Minimum reading		1° 15' / 10" (0.2mgon/1mgon/2mgon)		Dimensions		220x184x360mm (WxDxH)	
Accuracy		2"		Operating temperature		-20°C ~ +60°C	
Angle unit		360° / 400gon/mil selectable		I/O		RS-232C	
Compensator				Waterproof		IP54 (IEC60529)	
Type		Liquid dual axis					
Range		±3'					
Leveling sensitivity							
Plate level		30" / 2mm					
Circular level		8" / 2mm					

Basic measurement program



OTS Models has same specification.

OTS is reflectorless total station up to 150m

COMPANY ADDRESS:

South Africa

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NORKEM PARK 1631
GAUTENG
SOUTH AFRICA
TEL: (27) 11 976-2070
FAX: (27) 11 976-3733

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KEMPTON PARK
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Botswana

PLOT 170 UNIT 4
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FUJJIYAMATM

RTS 682/685 TOTAL STATION



FUJIYAMATM

RTS 682/685 TOTAL STATION

Applied:

RTS680 series total station is Fujiyama's new product. Featured with 32bit CPU and one SD card(optional), it works more convenient and quickly. It can be widely used for building, setting out, road layout, topography survey, control survey, etc.

Features:

SD Card and Large Memory (Optional)

ASD card with 512MB memory is a standard component. User do not need to take the instrument to office. This series can store 100,000 data points. To facilitate concurrent use at different worksites, data may be stored into 50 different jobs



Easy Operation with Alphanumeric Keyboard & Large LCD.

The large LCD (240x128dots)has a 8 lines and each line can display 24 characters at the same time. Almost all measured data can be displayed on one screen. User don't need to turn page frequently.



Compact Battery and Long Operation Time .

With a low consumption and compact battery, it will last you 12 hours of continuous angle & distance measurement. Furthermore ,it could last you 20 hours on angle measurement only.



Quick & High Accuracy Distance Measurement

Measuringtime:1.5s
Accuracy: $\pm (2\text{mm}+2\text{ppm})$

Upload Pcode

It is available to upload Pcode from PC to total station.

Optical Plummet
It accurate focus can be adjusted.

Read Jobs Directly By PC

Compatible with FAT12/FAT16/FAT32 standard file system, It is so convenient to read there corded job from PC directly.

New Professional Survey Program

Road & traverse adjustment have optimized the working process.

Fast Process Speed

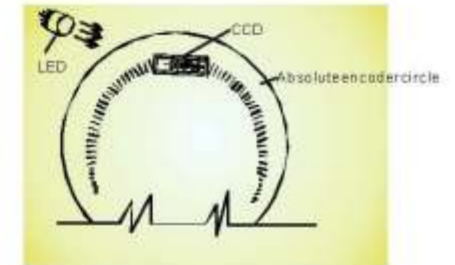
32-bit CPU makes the unit works speedily.

Built-in Temperature and Pressure Sensors

For high-accuracy distance measurement, the changing of pressure and temperature will cause the error for the result. With built-in temperature and atmospheric pressure sensors, it can observe the conditions and correct the error in real time.

Absolute Encoder(RTS680 series)

RTS680series are equipped with absolute encoders ,user do not Need to rotate telescope after power on. With this technology, the horizontal angle could be memorized if power off, so it is unnecessary to set the azimuth again when restart the totalstation. And all measured data would be saved if powered off accidentally



Dual-Axis Compensation

Auto Dual axis compensation ensures the accurate levelling of total station. In the compensation range of $\pm 3'$, although the instrument is tilted, the horizontal and vertical angle can be measured precisely.

Interface option

User could upload and download using RS-232 cable.

