Provided by Xpert Survey Equipment
Click Trimble S3 for Product Info and Updated Pricing

KEY FEATURES

Everything you need to perform efficient surveying jobs

Built on **proven**, **reliable**, Trimble technology

Dependability backed by world-class training, service, and support

Foundation for Integrated Surveying



TRIMBLE S3 TOTAL STATION

EVERYTHING YOU NEED FOR EFFICIENTCOAXIAL OPTICS, EDM, TRACKER, SURVEYING CAMPAIGNS LASER POINTER

All you need to perform efficient surveying campaigns is included in the Trimble S3 Robotic Total Station solution: An accurate and reliable instrument, integrated robotic radio and popular Trimble TSC3controller optimized for Trimble Access field software, integrated high capacity battery and dual charger. The Trimble TSC3 controller, included in the robotic solution, is a groundbreaking handheld field computing solution that streamlines the flow of everyday surveying work and the number of peripheral devices you need in the field.

The new Trimble S3 Total Station is backed by Trimble's extensive and knowledgeable dealer network providing world-class training, service, and support to maintain your productivity. Whether you need to equip a new survey crew, replace older gear, or start a new office, the Trimble S3 Total Station can be depended on to get the job done well.

The Trimble S3 Total Station optics by Carl Zeiss are fully coaxial for measurement confidence and reliability. With over 100 years of high accuracy optical instrument knowledge and expertise, Trimble builds the Trimble S3 system with the same high standards of quality that Trimble is known for.

HIGH CAPACITY INTERNAL BATTERY VINTELLIGENT SYSTEM CHARGER

The Trimble S3 runs for six hours in Robotic mode on one internal integrated lithium-ion battery, with no cable needed. With intelligent batteries, you can immediately check how much power each battery contains. The convenient, all-in-one battery charger included in the Trimble S3 package, allows you to simultaneously recharge your total station and GPS/GNSS system batteries in the same charger.

PROVEN, RELIABLE TRIMBLE TECHNOLOGERVO AND AUTOLOCK

The Trimble S3 Total Station is built upon proven Trimble technologies. The instrument contains the reliable servo drives based on MagDri∜e electro-magnetic technology with fewer moving parts which reduce servicing requirements. It also includes intelligent battery and power management systems for 6 hours of operation on a single battery, and Trimble DR technology providing exceptional measurement performance and accuracy.

TRIMBLE DR TECHNOLOGY

Direct Reflex (DR) technology from Trimble enables measurement without a prism on almost any type of surface. Operators in the field can capture information on hard-to-reach targets in dangerous/ unsafe locations. Measure quickly and safely without compromising accuracy. Overhead cables, tunnels, bridges, quarry faces, stockpiles, buildings, and elevations can all be measured quickly, easily, and safely.

The Trimble S3 Total Stations are also available in servo or autolock only versions. The Trimble S3 Servo and Autolock versions contain a fixed Control Unit with Trimble Access on board for convenient, simple operation in any environment.

STEPPING INTO INTEGRATED SURVEY

The Trimble S3 Total Station provides the foundation for Trimble's Integrated Surveying solutions. With Integrated Surveying, you can seamlessly integrate complementary technologies on the job site, such as Trimble GPS/GNSS and optical measurements, which allows you to use the most appropriate tool for the jobsite conditions. Trimble's field and office software combine and manage all the data, making it easy to take advantage of the best that each technology has to offer. Combine the Trimble S3 with Trimble's GNSS receivers to create a Trimble I.S. Rover and start reaping the productivity gains from Integrated Surveying.

For more information about the benefits of Trimble's Integrated Surveying, check out the technical white paper at www.trimble.com/IntegratedSurveyingWP.



TRIMBLE S3 TOTAL STATION

PERFORMANCE				GENERAL SPECIFICATIONS	
Angle measurement				Leveling	
Accuracy (Standard of	deviation based of	on DIN 18723)	2" (0.6 mg	on) Circular level in tribrach	8'/2 mm (8'/0.007 ft)
A 1 1 1 1 1 1	0		5" (1.5 mgon)	Electronic 2-axis level in the I	LC-display
Angle reading (least of			411 (0.0	with a resolution of	
Standard			1" (0.3 mg	bonervo system	MagDrive servo technology, integrated
Averaged charge			0.4" (0.6 mg	ON) Protestion and add	servo/angle sensor electromagnetic direct drive
Automatic level comp				Retation time Face 1 to Face 2	
Typo	ensator		Contared dual	Rotation time race 1 to race 2.	
Δccuracy			0.5" (0.15 mg	Mamps and slow motions	Servo-driven, endless fine adjustment
Distance measureme			(±100 11)		Trimble 3-pin
Accuracy (RMSE)	arit.				In. Tribrach
Prism mode				Magnification/shortest	
		2 mm + 2 n	om (0.0065 ft + 2 ppn		2.3×/0.5 m to infinity (1.6 ft to infinity)
	ation according	p	о (отоооо т. т. д. рр	Telescope	
		1.5 mm + 2 ppm (0.0049 ft + 2 ppm)		30×
DR mode			Tr ()
	rement	3 mm + 2	2 ppm (0.01 ft + 2 ppr		
					Variable (10 steps
Measuring time					Standard
Prism mode					
				Sest and water proofing	IP55
DR mode				Power supply	3
Standard					Rechargeable Li-Ion battery 11.1 V, 4.4 Ah
				seOperating timé	
Range (under standard clear conditions One internal battery					
Prism mode		,		Weight	
1 prism			2,500 m (8,202	ft) Instrument (Servo & Autolock	()
3 prism			,000 m (16,404 ft)	Instrument (Robotic)	5.25 kg (11.57 lb)
Shortest possibl	e range		1.5 m (4.9)	? ft)Tribrach	
· ·			·	Internal battery	
DR mode					
	Good	Normal	Difficult	Communication	USB, Seria
White card	>400 m	400 m	200 m	ROBOTIC SURVEYING	
(90% reflective)	(>1,312 ft)	(1,312 ft)	(656 ft)	Robotic Range	
Gray card	. 050	050	450		s optional)
(18% reflective)	>250 m	250 m	150 m	Shortest search distance	0.2 m (0.65 ft)
(10%1011001110)	(>820 ft)	(820 ft)	(492 ft)	Type of radio internal/external	2.4 GHz frequency-hopping,
D-flfl f-11 00 -			× 000 (050	5 () 1 () () 5 ()	spread-spectrum radios
Reflective foil 20 r	nm		>200 m (656	Bearch time (typical)	2–10 sec
Chartest resemble	nm		>500 m (1,640	SERVO & AUTOLOCK CONTROL	DANEI
Shortest possible	range		1.5 m (4.8	Display	GA,16 bit color, TFT LCD, backlit (320x240 pixel)
EDM SPECIFICATION	s				
Light source	l ac	or diado 660 pm: Las	or class 1 in Driem m	nde de	19-key alpha-numeric + 4-way arrow key,
Light source	Las	l ager o	lace 3R in DR mode	Audia	dicated navigation and instrument control key(s) Integrated speaker for audio systems events,
Laser pointer coaxial	(standard)	Laser	l ager cla	Audio	. Integrated speaker for audio systems events,
Beam divergence Pris					warnings and notifications
Horizontal	3111 IIIOGE	4 c	m/100 m (0 13 ft/328	thoman	128 MB SDRAM, 128 MB Flash Memory
Vertical		4 cm/10	0 m (0.13 ft/328 ft)	Processor	624 MHz Marvell ARM920T-PXA300 CPU
Beam divergence DR	mode	4 GHI/ 10	J III (0. 10 10/020 10)	110065501	UZ-4 IVITIZ IVIAI VEII AINIVISZUT-PAASUU CPU
Horizontal					
Vertical 2 cm/50 m (0.066 ft/164 ft)					
Atmospheric correction	on			V	
7 KINOSPHONO CON COLL		100 ppill to	100 ppm continuous	,	
				1. Standard clear: No have Overset as	ste qualight with year light heat shimmer
				 Standard clear: No haze. Overcast or modera Range and accuracy depend on atmospheric 	conditions, size of prisms and background radiation.
				3 Kodak Gray Card, Catalog number E1527795	i.
O 0000 0010 T1 11 11 1 1 11 11				4 The capacity in =20 °C (=5 °F) is 75% of the c	anaciiv ar +/U °C (68 °F).

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4 The capacity in -20 °C (-5 °F) is 75% of the capacity at +20 °C (68 °F

5 Dependent on selected size of search window.

Specifications subject to change without notice.



NORTH AMERICA

Trimble Navigation Limited 10368 Westmoor Drive Westminster CO 80021 USA

EUROPE

Trimble Germany GmbH Am Prime Parc 11 65479 Raunheim GERMANY

ASIA-PACIFIC

Trimble Navigation Singapore Pty Limited 80 Marine Parade Road #22-06, Parkway Parade Singapore 449269 SINGAPORE

