## TOTAL STATION

### **Trusted Performance**

All you need to perform efficient surveying campaigns is available in the Trimble® S5 total station solution: An accurate and reliable instrument, DR Plus EDM, MagDrive™ technology, with Trimble Access™ field software on your choice of Trimble data collector and quick data processing with Trimble Business Center office software.

Trimble has been manufacturing the industry's leading robotic total stations for over a decade. You can depend on the Trimble S5 total station to keep you productive in the field no matter what you encounter.

#### **Trimble Technology**

The Trimble S5 total station is built upon proven Trimble technologies like SurePoint™ technology, MagDrive and our DR Plus EDM, helping you work more efficiently while maintaining the highest accuracy possible. Smooth and silent, Trimble MagDrive electro-magnetic technology means fewer moving parts. Trimble SurePoint ensures accurate pointing and measurements by actively correcting for unwanted movements like wind, handling, and sinkage. The Trimble DR Plus EDM allows you to measure with fewer instrument set-ups and enhance your direct reflex performance.

The Trimble S5 total stations are available in robotic or Autolock® versions.

#### **Trimble S5 Configurations**

EDM	ANGLE	SERVO	ACTIVE
	ACCURACY	CONTROL	TRACK
DR Plus	1", 2", 3", 5"	Robotic, Autolock	Optional

#### **Integrated Surveying**

The Trimble S5 total station provides the foundation for Trimble's Integrated Surveying™ software. With Integrated Surveying, you can seamlessly integrate complementary technologies on the job site, such as Trimble GNSS receivers and optical measurements.

#### Manage Your Assets 24/7

Know where your total stations are 24 hours a day with Trimble Sentinel technology. See where your equipment is at any given time and get alerts if your instrument leaves a jobsite or experiences unexpected equipment shock or abuse.

#### **Powerful Field and Office Software**

Choose from a variety of Trimble controllers operating the feature rich, intuitive Trimble Access field software. Streamlined workflows guide crews through common project types, helping to get the job done faster with less distractions. Trimble Access workflows can also be customised to fit your needs.

Back in the office, trust
Trimble Business Center software to help
you check, process and adjust your optical,
leveling, and GNSS data in one software
solution. No matter what Trimble instruments
you use in the field, you can trust that
Trimble Business Center office software will help

you generate industry-leading deliverables.

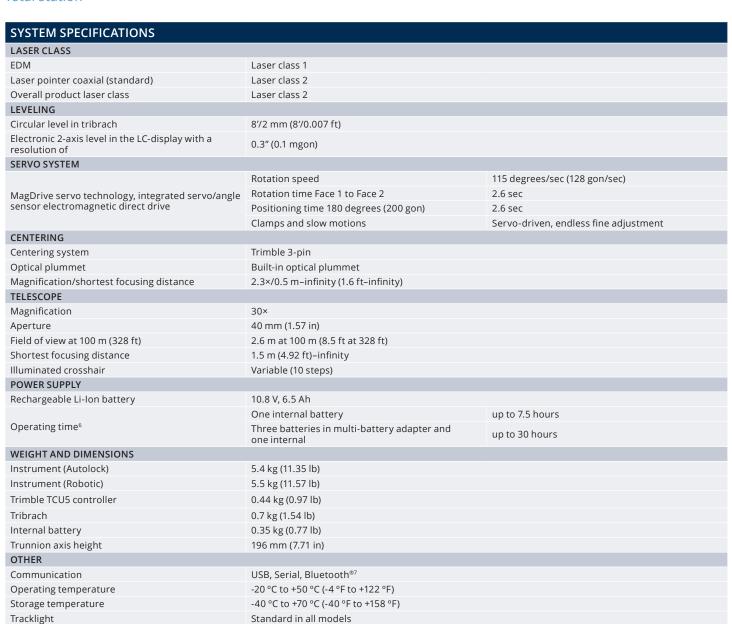


#### **Key Features**

- · Everything you need to perform survey campaigns
- Measure further and faster with the Trimble DR Plus EDM
- Trimble Sentinel real-time location information
- Intuitive Trimble Access Field Software
- Trimble Business Center Office Software for quick data processing



#### Total station



IP65

100% Condensing

Dual-layer password protection, Sentinel<sup>10</sup>

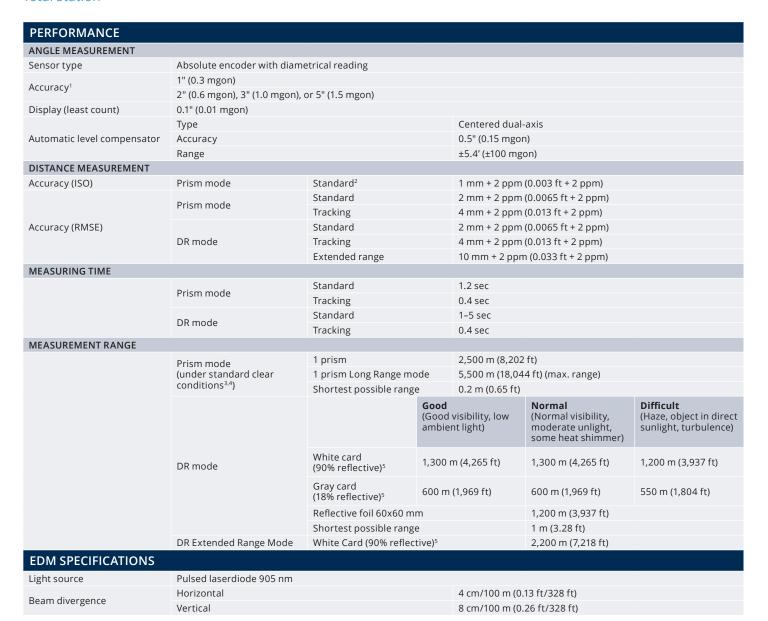


Dust and water proofing

Humidity

Security

#### Total station





Total station





ROBOTIC SURVEYING				
	Passive prisms	700 m (2,297 ft)		
Autolock and Robotic Range <sup>4</sup>	Trimble MultiTrack™ Target	800 m (2,625 ft)		
	Trimble Active Track 360 target	500 m (1,640 ft)		
A 4 de de catalita e contide de 200 cm (CEC (t))	Passive prisms	<2 mm (0.007 ft)		
Autolock pointing precision at 200 m (656 ft) (Standard deviation) <sup>3</sup>	Trimble MultiTrack target	<2 mm (0.007 ft)		
(Standard deviation)	Trimble Active Track 360 target	<2 mm (0.007 ft)		
Shortest search distance	0.2 m (0.65 ft)			
Type of radio internal/external	2.4 GHz frequency-hopping, spread-sprectrum radios			
Search time (typical) <sup>8</sup>	2–10 sec			
GPS SEARCH/GEOLOCK				
GPS Search/GeoLock	360 degrees (400 gon) or defined horizontal and vertical search window			
Solution acquisition time <sup>9</sup>	15–30 sec			
Target re-acquisition time	<3 sec			
Range	Autolock & Robotic range limits	Autolock & Robotic range limits		

- 1 Standard deviation according to ISO17123-3.
- Standard deviation according to ISO17123-4.
- Standard clear: No haze. Overcast or moderate sunlight with very light heat shimmer.
   Range and accuracy depend on atmospheric conditions, size of prisms and background radiation.

- Kodak Gray Card, Catalog number E1527795.
   The capacity in -20 °C (-5 °F) is 75% of the capacity at +20 °C (68 °F).
   Bluetooth type approvals are country specific. Contact your local Trimble Authorized Distribution Partner for more information.
- 8 Dependent on selected size of search window.
- 9 Solution acquisition time is dependent upon solution geometry and GPS position quality. 10 Functionality and availability dependent on region.

Specifications subject to change without notice.

Contact your local Trimble Authorized Distribution Partner for more information

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