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## **TOTAL STATION BUILDER AZA1029**

The AZA1029 Total Station Builder is a high-precision electronic surveying instrument designed for construction layout, topographic surveying, and engineering applications. It integrates an electronic theodolite, advanced EDM (Electronic Distance Measurement), and built-in survey software into a single rugged and field-ready unit. Engineered for accuracy and efficiency, the AZA1029 ensures fast data acquisition, precise positioning, and reliable performance in demanding site conditions.



### **KEY FEATURES**

- High-precision angle and distance measurement
- Dual measurement modes: Prism & Reflectorless
- Advanced EDM with long-range capability
- Dual-axis compensator for automatic tilt correction
- Dual-sided backlit LCD display with alphanumeric keypad
- Integrated survey software (COGO, Stakeout, Resection, etc.)
- Internal memory for large data storage
- USB, SD card, and Bluetooth connectivity
- Rugged IP65-rated weatherproof design
- Long battery life for extended field operations



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### TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Measuring Range (Prism)	Up to 5,000 m
Reflectorless Range	Up to 500 m
Angle Accuracy	2" / 5" (model dependent)
Distance Accuracy	±(2 mm + 2 ppm)
Telescope	High-resolution optical system
Compensator	Dual-axis
Display	Dual LCD, backlit
Keyboard	Alphanumeric
Data Storage	20,000+ points
Connectivity	USB, SD Card, Bluetooth
Battery Life	Up to 16 hours
Weight	5.5 – 6.5 kg
Mounting	Standard 5/8" tripod thread
Environmental Protection	IP65 (Dust & Water Resistant)