

Total Station Solutions ► MS series



MS series

Highest precision angular and distance measurements available

⊕ Product Info



When your project demands measurement without compromise, turn to the MS AX motorized total station for guaranteed performance.

- Angular accuracy option of either 0.5" or 1"

- Reliable distance accuracy at 0.5 mm
- Rapid and customizable 2D monitoring
- Auto-collimation accuracy of 1"
- Automated Matrix Detection and Target Acquisition

⊕ Specifications

MS series Specifications

Angle Measurement

Accuracy*	MS05AXII: 0.5" (0.15mgon*) MS1AXII: 1 "(0.3mgon *)
Minimum Reading	MS05AX: 0.1" (0.02 mgon) MS1AX: 0.5" (0.1 mgon)

* ISO 17123-3

Distance Measurement

Non-Prism Mode	MS05AX: 100m MS1AX: 400m
Reflective Sheet	MS05AX: 200m MS1AX: 200m
1 Prism	3,500m for both

Accuracy

Non-Prism Mode	MS05AX: 1mm + 1ppm MS1AX: 2mm + 1ppm up to 200m
Reflective Sheet	MS05AX: 0.5mm + 1ppm MS1AX: 1mm + 1ppm
1 Prism	MS05AX: 0.8mm + 1ppm MS1AX: 1mm + 1ppm
Minimum Reading	MS05AX: 0.01mm / 0.1mm MS1AX: 0.1mm / 1mm

Physical and Environmental

Ingress Protection	IP-65
Operating Temperature	-20 to +50 °C
Storage Temperature	-30 to +70 °C

Topcon Positioning Systems, Inc.

7400 National Drive

Livermore, CA United States

For more information, and to locate a dealer closest to you, visit:

<https://www.topconpositioning.com/#dealerModal>

©2021, Topcon Positioning Systems, Inc.