General electric PHASOR XS







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QUALITY DEPARTMENT





Experts in quality

1. METROLOGY

- Leica Laser Absolute Tracker AT401
- Leica Laser Total Station TDRA6000
- Innovmetrics PolyWork Inspector



Absolute Tracker AT401

All accuracies are specified with Leica Geosystems precision 1.5" Red Ring Reflectors (delivered with each sensor) and a measurement mode of 2 seconds per point under stable environmental conditions.

Full range is specified as 1.5 to 80 meters away from the laser tracker within a vertical range of +/- 45°.

All accuracies are stated in maximum permissible error (MPE). Typical results are half of MPE.

Total station TDRA6000

Industrial grade tracking Utilizing the 4th generation Automatic Target Recognition (ATR) technology, and optimized for use within 300 meters with metrology reflectors, the new Laser Station TDRA6000 has the best tracking performance in its class. Combined with the world famous Leica Geosystems PowerSearch module, worrying about target tracking is a thing of the past. Industrial grade measurements With a typical 3D point uncertainty of 0.25 mm at 35 meters, the new Laser Station TDRA6000 is the most accurate total station ever designed for industrial use. It has the ability to automatically target both CCR and Tape targets and even measure without targets with a typical reflectorless accuracy of 1 mm, when combined with a metrology SW package like DCP05 or Microlog, the Leica TDRA6000 is a metrology top performer.

Handheld 3D Scanning DPI 8X

Test Facility Results	(measured distance in final post-processed model)	
Range	Typical Accuracy	Minimum Accuracy
< 1 m (3.3 ft)	99.8%	99.6%
1 m to 2 m (6.6 ft.)	99.5%	99.2%
2 m to 3.3 m (11 ft.)	99.0%	98.6%
> 3.3 m (11 ft.)	Not Specified	Not Specified



2. The employees in the quality control department are certified and trained and they have certificates for level II for ultrasonic, magnetic particle, dye penetrant and visual examination issued from Sector Cert Cologne-Germany.





