

# Topcon GPT-9000A and GPT-900A Series

Topcon Positioning Systems (CA, USA) has released the all-new total station series, the GTS-900A and GPT-9000A. These series include Topcon's new FC-200 field controller and RC-3 tracking system. The GPT-9000A robotic total station provides precise reflectorless measurement up to 2,000metres - more than 6,500 feet (1 1/4 miles) - and can easily focus on small objects like power lines. The onboard computer, with a bright, full-colour touch-screen display, and faster servo motor technology improve field productivity. The GTS-900A series reflector-only instruments are available with the same system components.

Additional features on the new series of instruments include:

- X-TRAC technology with instantaneous re-acquisition of target lock
- cable-free design of all components
- colour, touch-screen, running off Windows Mobile OS
- new robotic servo technology
- all components fit into a single carrying case
- integrated 2.4 GHz interference-free spread spectrum radio
- instruments available in 1-, 3-, and 5-second arc-second angle accuracies
- field scan imaging ready for the job site
- newly designed, lightweight 360-degree prism.

The robotic system includes Topcon's new FC-200 field controller, which features a 520 MHz Intel X-scale processor for fast performance and Windows Mobile 4.2 operating system. An optional snap-on 2.4 GHz radio module can be added to the FC-200 for interference-free robotic data communications.

Topcon's new RC-3 tracking system is also included. Integrally designed to work with the new 360-degree prism, the RC-3 offers a one-touch operation and a quick-lock prism acquisition. Six communication channels enable multiple robotic systems to operate on the same site.

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