SOKKIA

MADE TO FIT YOUR WORLD.

Fusion Technology

Combining GNSS and Optical Measurements

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Multiple technologies, one powerful solution

Make your jobs go faster and easier with leading-edge technology that delivers more power, speed, and connectivity. Using Fusion technology automates your data workflow and increases productivity.

Like all of our products, you can customize it to meet your needs and create your own workflows.

- Faster field work
- Fusion Lock for rapid prism acquisition in dense areas
- Fusion Switch to jump between optical and GNSS measurements
- Fusion Resection to start production at locations that are safe and convenient

Fusion technology components

- iX Series Total Station
- GCX3 GNSS Receiver
- SHC6000 Field Computer
- GeoPro Data Software

Maximize field performance

Fusion technology provides the ability to use both GNSS positioning and optical positioning data, at the same time, to improve field measurement efficiency. The iX Series robotic total station features blazing speeds of up to 150 degrees per second. The GCX3 offers centimeter-level results for maximum field productivity. The SHC6000 field computer adds advanced processing power, and the GeoPro software suite fully connects field to office.

Faster field work

Fusion technology systems perform faster in the field compared to other robotic systems and with more versatility than an RTK-only system. The system combines both GNSS positioning and optical robotic measurements into one rover pole measurement point. Using Fusion technology reduces the need for traversing and multiple tripod set ups.

Modern positioning

Our Fusion technology system handles any surprises and removes the guesswork from project sites. A lightweight GNSS receiver on the prism helps instruments reacquire lock in challenging conditions. Setups are a snap — you can select safe, convenient locations and define the unknown point of your instrument from GNSS measurements.

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Fusion Lock

- Turn the instrument toward the prism location
- Regain prism tracking
- Record more shots
- The ultimate in prism reacquisition

Fusion Resection

- RTK coordinates for control
- Safe robotic location setup
- Simultaneous GNSS and optical measurement
- Fast job site setup

Fusion Switch

- User controlled
- Fast switch between GNSS or optical
- No need for new setup
- Easy one-touch switch

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SOK-1030 Rev E 6/21

Your local Authorized Dealer is: