

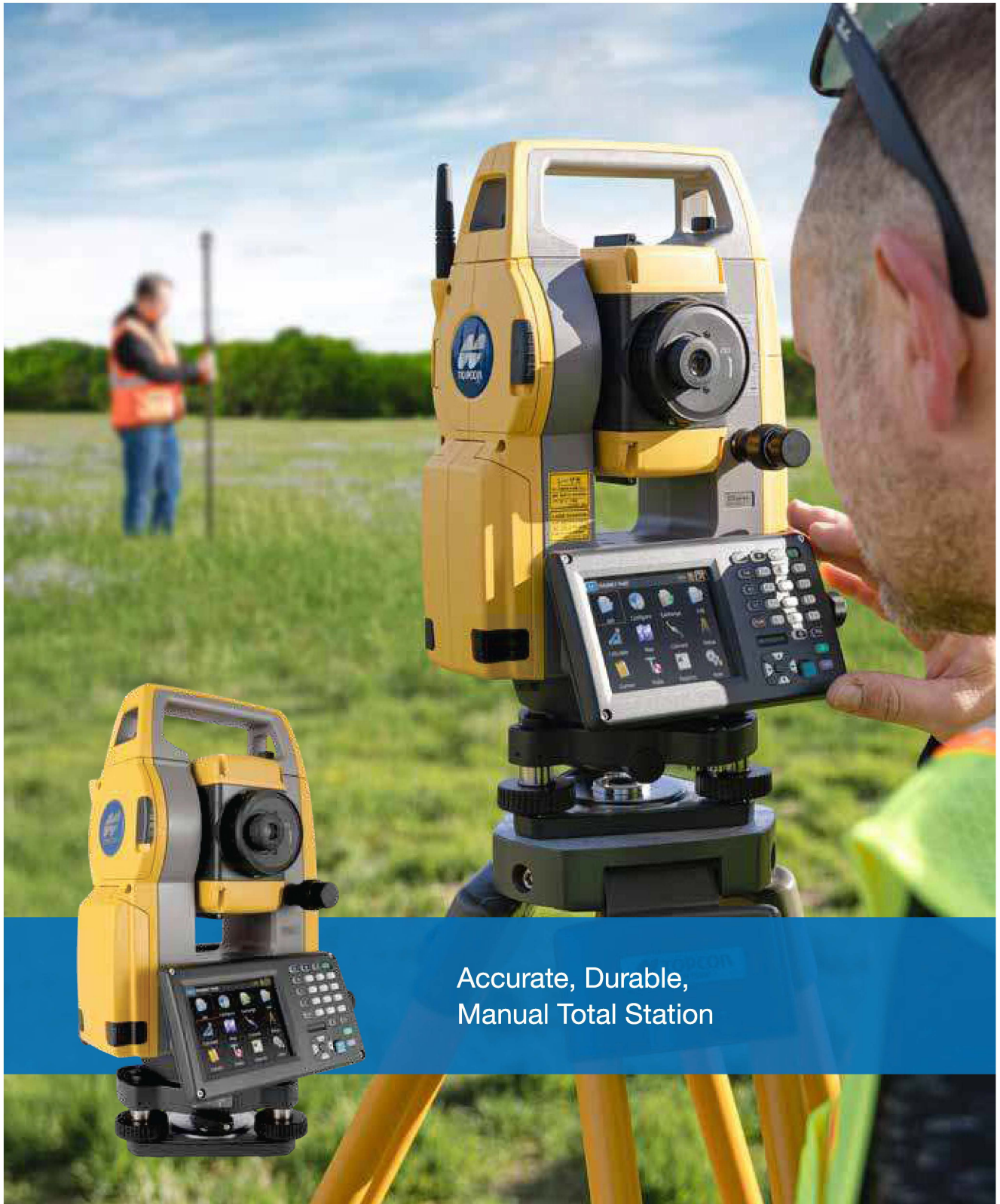
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**Aptella**  
AUTOMATION +  
POSITIONING TECH

**TOPCON**

# Manual Total Station

## OS-200 Series



Accurate, Durable,  
Manual Total Station

# Manual Total Station

## OS-200 Series

### OS Series total stations – advanced design with superior technology

The OS is a professional grade compact total station. This advanced design provides an on-board data collection interface, exclusive LongLink™ communication, and an incredibly powerful EDM.

Work directly on the bright, color touchscreen, or with the alpha-numeric keyboard, to achieve higher levels of production with MAGNET® Field on-board software. The OS total station can be used on a wide variety of applications, from building layout to earthwork volumes, and land surveying.

### On-board Windows touchscreen

Running on-board software on the Windows® touchscreen computer increases productivity. The screen is large and bright, so the user can see more software functions and intuitively interact with the screen where needed. Software applications become easier to use and there is no need to hold a field controller in one hand while turning the instrument with the other. The OS has precise tangent locks to keep the angle positions accurate even with touchscreen and keyboard interaction.

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**Fast and accurate surveying and staking**

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**Intuitive on-board MAGNET Field software**

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**Color touchscreen display**

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**Rugged IP65 dust and rain-proof design**

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**Powerful EDM for rapid, repeatable measurements**

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**Windows operating system**

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- 1 300 m range LongLink functionality
- 2 Easy access, environmentally protected USB 2.0 slot (Host + Slave)
- 3 1,000 m non-prism range
- 4 Unique IACS angle encoder system (1" and 2")
- 5 Electronic leveling system
- 6 Exclusive "STAR-KEY" functionality
- 7 Side-mount, extra long-life battery
- 8 Color LCD touchscreen
- 9 Tangent lock – Securely holds your angle in place

### Exclusive LongLink

For stakeout and other operations where being at the prism pole with a field controller is critical, our exclusive LongLink functionality allows you to operate a field controller more than 300 m away from the instrument. LongLink brings you flexibility you've never had before.



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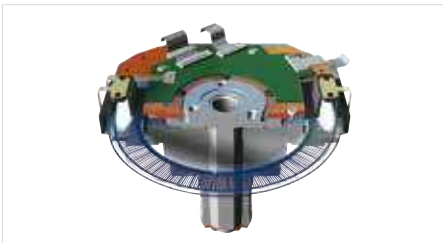
#### Easy access USB 2.0 memory

- Up to 8 GB storage
- Environmentally protected
- Compatible with industry standard thumb drives



#### Ultra-powerful, advanced EDM

- 1,000 m non-prism range
- 6,000 m prism range
- Red/Green guidelight
- Coaxial red laser pointer
- Pinpoint, precise beamspot



#### Advanced angle encoder system

- “Best-in-class” 1” angle accuracy
- Incorporates exclusive IACS on 1” and 2” models (Independent Angle Calibration System)
- Self-calibration
- Proven high accuracy technology



#### EDM trigger key

- Perfect touch location
- Promotes angle stability
- No torque when measuring on-board
- Water/Dust proof
- Easy for gloved hands



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