



C5 vs. C5 HP Mechanical Total Station

SHOPPING FOR A MECHANICAL TOTAL STATION?

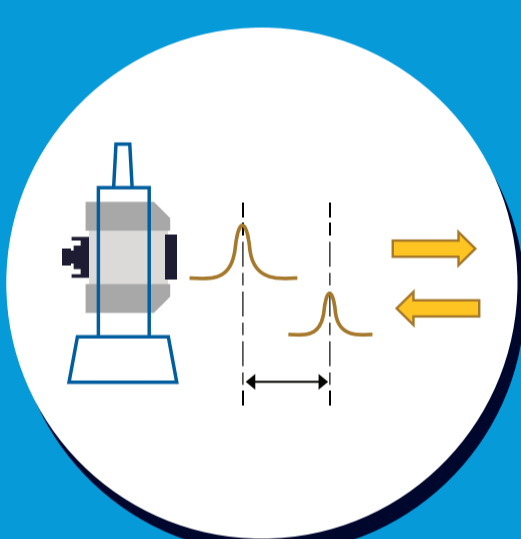
The **characteristics** of your typical project should influence the **technology** that you choose.

- How far away are your targets?
- What are your accuracy requirements?



Trimble Mechanical Total Stations use **two kinds of electronic distance meter (EDM) technology** to meet different users' needs.

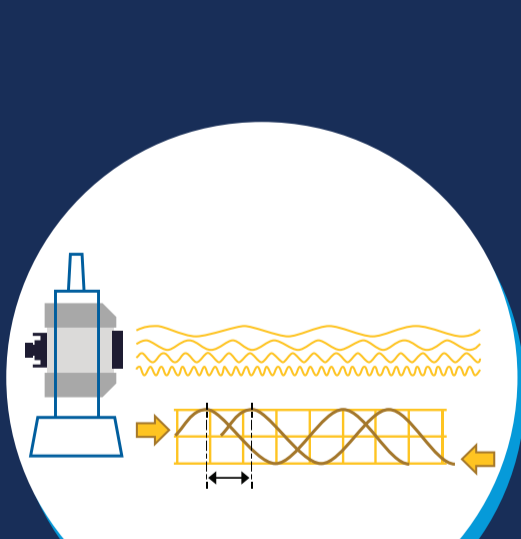
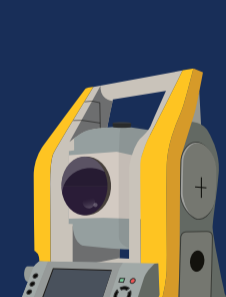
TRIMBLE C5: Time of Flight EDM



- 20,000 pulsed laser measurements taken every second to calculate distance based on round trip time from instrument to target
- Pulses can be many times more powerful than Phase Shift EDM, resulting in a longer range of up to 5000 m
- Highly effective for construction, road surveys and other long range projects
- Compatible with autofocus for simplified aiming and measuring



TRIMBLE C5 HP: Phase Shift EDM



- Measures the phase shift between outgoing and received light for multiple frequencies to calculate distance
- Slightly longer size measurement times and smaller spot size yield higher accuracy than Time of Flight EDM
- Excels at high accuracy/small spot measurements, such as for steel work, corner measurements, and other detailed projects



Still not sure which Trimble product is right for you?

For more information about Trimble® C5 and C5 HP Mechanical Total Stations, visit **Trimble Geospatial Products and Solutions**, or contact your local Trimble distributor.