

Total Station Specifications in Daily Surveying

LEICA GEOSYSTEMS

OTHER TOTAL STATIONS

DISTANCE ACCURACY

up to 500m: 2mm + 2ppm

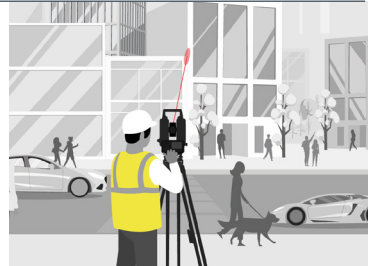
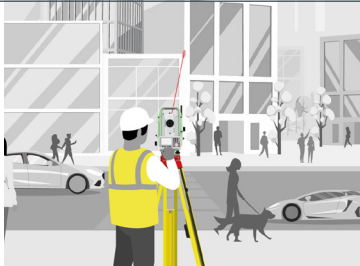
<200m: 3mm+2ppm,
>350m: 10mm+10ppm



Accuracy specifications might appear similar at first glance, but often diminish over distance, especially in non-prism mode.



A constant distance accuracy and small measurement beam ensure high precision over the entire working range.



FIELD CALIBRATION

Quadruple axis compensation

Partial compensation



Having the possibility to calibrate and apply corrections in the field - such as tilt, target line, vertical index and tilting axis corrections - keeps the instrument precision high, especially working under different environmental conditions or after transportation.



Full in field calibration prolongs the time in between servicing and maintains the high accuracy standard.



DATA STORAGE / PROCESSING POWER

4GB internal memory

<1 GB internal memory



The internal memory and RAM size impact the onboard storage capacity as well as processing and result times.



Higher storage and processing power increases your efficiency.



RELIABILITY

IP66

IP5x



The total station must work under the conditions you do, be it slight to heavy rain, high to polar temperatures, or sandy or dusty sites.



The IP rating is an important specification to ensure trouble-free work.



- when it has to be **right**

Leica
Geosystems