

# Leica TCA1201M

## For long-range Distance Monitoring



Leica TCA1201M is the first choice for long-range distance monitoring – equipped with a special distance meter it provides outstanding measurement range to prisms with high accuracy.

### TCA1201M Features

- Outstanding distance measurement range of more than 8 km to a single prism.
- High distance measurement accuracy of 2 mm + 2 ppm.
- Reliable measurements, even when measuring through windows.
- Ideally suited for long-range distance monitoring with the Leica GeoMoS software.

- when it has to be **right**

**Leica**  
Geosystems

# TCA1201M – For long-range Distance Monitoring

Leica TCA1201M is the first choice for long-range distance monitoring – equipped with a special distance measuring system it provides outstanding measurement range to prisms with high accuracy.

## Distance Meter-Features

- Outstanding distance measurement range of more than 8 km to a single prism.
- High distance measurement accuracy of 2 mm + 2 ppm.
- Reliable measurements, even when measuring through windows (e.g. windows of measurement huts).

The Leica TCA1201M is optimized for operation with the monitoring software Leica GeoMoS. Even targets at long distances can be detected and targeted using the “signal scan” functionality – to determine and visualize displacements of landslides or open pit mines over long ranges.

## Operation with Leica GeoMoS

- Ideally suited for use with the Leica GeoMoS monitoring software.
- Optimized for use with “signal scan” functionality for reliable target detection at long distances.
- Precise determination and visualization of displacements in the direction of line-of-sight.

## Technical Specifications

Range of distance measurements to standard prism:

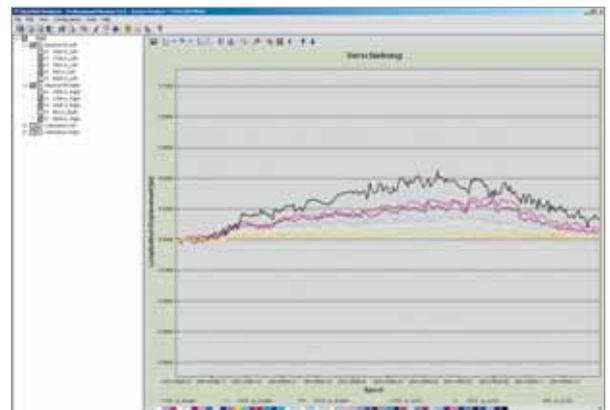
Atmos. Cond.	Range [m]	Range [ft]
A	4500	14700
B	8000	26200
C	>8000	>26200

Atmospheric Conditions:

- A: Strong haze, visibility 5 km; or bright sunlight, severe heat shimmer.  
B: Light haze, visibility about 20 km; or moderate sunlight; slight heat shimmer.  
C: Overcast, no haze, visibility about 40 km; no heat shimmer.

Shortest measuring distance: 5.0 m

Illustrations, descriptions and technical specifications are not binding and may change.  
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### Laser plummet:

Laser class 2 in accordance with IEC 60825-1 resp. EN 60825-1

### Distance meter (IR), ATR:

Laser class 1 in accordance with IEC 60825-1 resp. EN 60825-1

### Guide light (EGL):

LED class 1 in accordance with IEC 60825-1 resp. EN 60825-1