



55281A Angular Optics Kit

Data Sheet

Angle Measurement Accuracy:

$\pm 0.2\%$ of displayed value, ± 0.05 arc-seconds per meter of traveled distance between the interferometer and reflector. Assumes optics are properly aligned and the temperature of all optical components is stabilized in the range of 15°C to 25°C .

Angle Type: Pitch and yaw.

Angle Measurement Resolution: 0.1 arc-seconds.

Angle Measurement Range:

± 36000 arc-seconds ($\pm 10^{\circ}$). (Rotated about base of optic).

± 72000 arc-seconds ($\pm 20^{\circ}$). (Rotated about center of optic).

Axial Separation: (Typical, with proper alignment, 15° to 25°).

The maximum distance between the laser head and the reflector can be up to 15 m (50 ft).

