



- Fast Sampling
- Motion Analysis
- Remote Probe
- Non-Contact

MicroRanger™ Laser Motion Tracking System

Displacement measurements from 0 to 10 meters with micron precision.

The Visidyne MicroRanger™ was developed to enable linear motion analysis of a wide variety of objects at an affordable price. As a stand-alone instrument it can either be mounted permanently into an application or carried between measurement locations. As a motion study tool it can be connected to a PC for high-speed data collection.

Non-Contact Measurement

The remote probe is used to direct a visible low-power laser



onto a measurement point. The tri-pod mounted probe enables measurements in even the most confined areas or it can be mounted onto an existing fixture for precise measurement of macro-displacement.

Simple Control

The MicroRanger™ user interface is as simple to use as it

is powerful. It provides all of the necessary functionality needed to measure linear motion efficiently. The backlit LCD displays measured displacement using large easy to see numerals. A two-color 'signal' LED indicates when the return signal is within the acceptable range. For those occasions when the user can't observe the 'signal' LED, two internal piezo buzzers provide audible confirmation of adequate signal power.

Data Collection

The LCD displays information at a convenient rate so that the user can read each number easily. A

communications port is provided on the back panel to facilitate high-speed measurements and data recording using a PC. The included software allows the user to collect and display data in real-time so that motion and vibration histories can be measured and stored. The point-and-measure ability of the MicroRanger™ makes it the sensor of choice for many control loop applications.

