



INSTRUMENTS

Laser Electronic Distance Measurement Tool

Operating Principle

The laser distance placement tool allows standard field portable EDM devices to be repeatedly placed on structures for periodic monitoring.

The anodized angle bracket is normally installed and left in place on the structure with alignment across the structural components to be measured.

The user places the EDM on the angle bracket, tightens the thumbscrew, and takes the EDM measurement.

Advantages

- Accurate, robust and provides very good long term repeatable measurements.
- Small bracket profile, allows unobstructed access to shafts and passageways and other structural elements.
- Fast set up and break down.
- Safe. One sided measurement, no need to connect steel tapes or other apparatus to make a readings across openings.
- Most EDM have on board data storage.

- Manual measurements may be ingested into project web databases for dissemination to stakeholders.

Applications

- Convergence in shafts, cap beams, etc.
- Tunnel convergence measurements.
- Internal measurements across large open spaces (up to 300').



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