

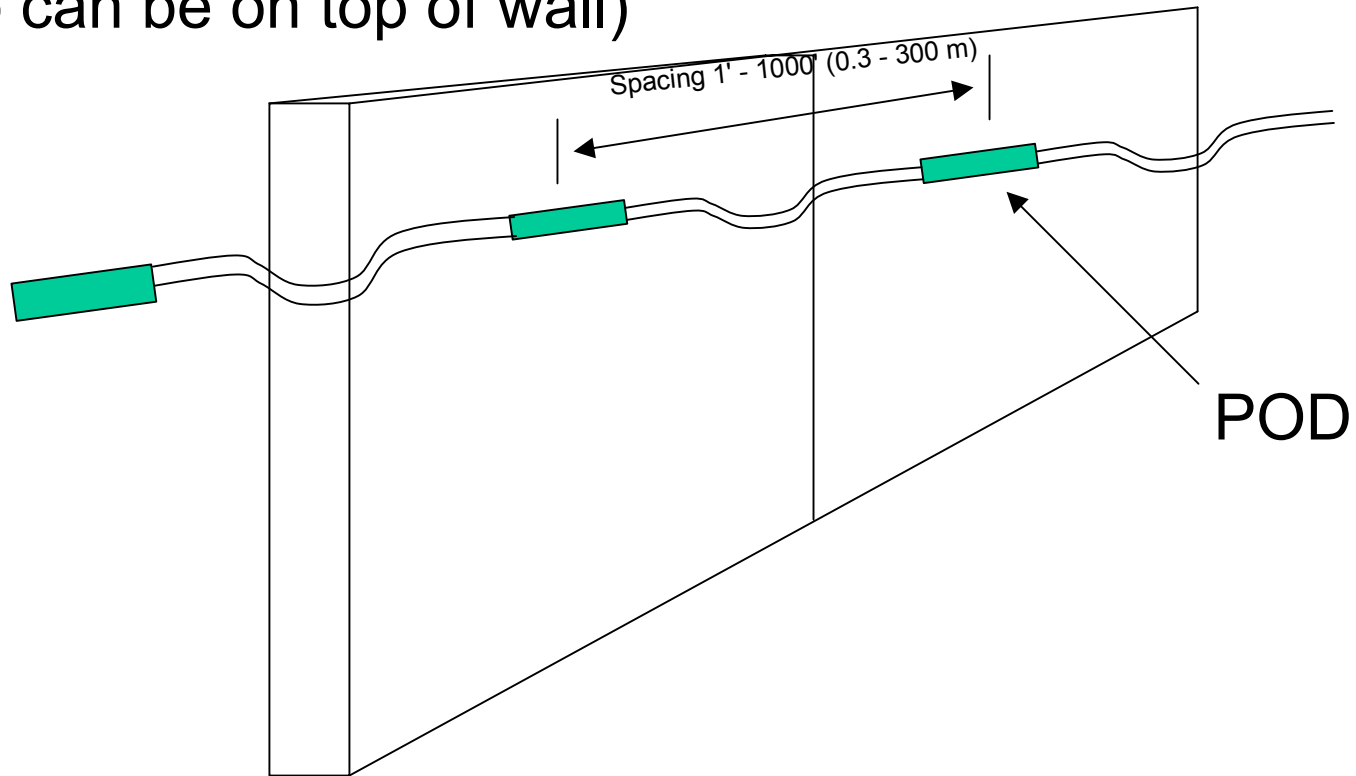
Measurand PODs: an adaptation of proven SAA Technology designed for long distances and low sensor density.

PODS are used to monitor the tilt angles of structures. Triaxial MEMS sensors measure pitch and roll angles in each POD. A microprocessor in each POD communicates digitally along a small number of wires inside flexible cable connecting the PODS. Data are processed in a Data Concentrator and can be sent wirelessly to other locations.

www.measurand.com



Typical PODs installation along wall (Also can be on top of wall)





Typical POD on top or side of wall (any rigid body). The POD includes an individually-addressable microprocessor and dual MEMS sensor with quadrature outputs indicating tilt. Tilt information is sent digitally along the PODS multiplexed electronic bus (protected inside liquid-tight flexible conduit) to a Data Concentrator up to 1000' (300m) away.

Affix PODS with U bolts and tapcon screws or similar to ensure stable registration with the wall or other structure. Tilt is measured in two degrees of freedom: Roll (as shown in diagram), and Pitch.

