



ADVANCE TREE MONITORING SYSTEM (ATMS)

- ✔ Motion Sensor
- ✔ Dashboard Monitoring
- ✔ Email Notification
- ✔ Prioritized Inspection



Functions



Compact design: Stand-alone Device to measure tree trunk/ branch motion (Tilt and Azimuth) up to 10 Degree accuracy.



Solar Panel + Li Battery Powered: Minimum 2 years battery life and minimal site maintenance effort.



Online Dashboard: Access to tree conditions 24x7 anywhere.



Support over 1000+ Sensors: Big-Data Enabled.



Email Alert: Instant notification on tree/ branch failure.



1
Bracket-Slot design:
enable replacement without
repeated drilling

2

Online Dashboard Showing
Sensors Online with Status



3

Receiving Notification
from Tree Failure



Benefits



IoT Technology

---> **Minimize Site Inspections**



Objective Measurement

---> **Accurate Angle Measurement**



Real-time Monitoring

---> **24x7 Motion Detection**



Weather Resistance

---> **Monitoring Under Server Weather**

Size **Max. 120mm x 100mm x 70mm**

Measurement Range **Tilt Angle: 0 - 180 degrees
Azimuth Angle: 0 - 359 degrees**

Resolution **Tilt Angle: 0.5 degree
Azimuth Angle: 1 degree**

Waterproof **IP67**