



# TILT SENSOR WITH DISPLAY

The combination of Aeron's digital tilt sensor ARN-TS2D and LED display ARN-LD2 is an ideal solution for platform angle monitoring in real time. The data communication between the two devices on RS485 gives flexibility to display angles at longer distances. The sensor measures angles in two axis at configurable update rate upto 50 Hz.

## SPECIFICATIONS

Model No.: ARN-TS2D  
No. of Axis: Dual  
Angles: Roll and Pitch  
Angle range:  $\pm 180^\circ$  (Roll),  $\pm 60^\circ$  (Pitch)  
Accuracy:  $\pm 0.1^\circ$   
Resolution:  $0.1^\circ$   
Enclosure: Aluminum  
Interface: RS485 or Wireless



## APPLICATIONS

- **Angle control of tilting furnace:** Tilt angle information of tilting furnace is essential to control the amount of discharge. This angle can be controlled precisely by using digital tilt sensor mounted at the rotating axes. The control process could be automated with controller to greatly reduce metal waste.
- **Solar Tracker:** The Solar panels could be made to follow sun's position throughout the day with the help of solar tracker. By using the solar tracker the energy efficiency can improve by more than 40% in comparison with fixed solar panel installation.
- **Bucket leveling in Cranes:** The bucket level is essential for the safety of technician standing in the bucket. The operation of leveling can be made automated with the help of tilt sensor. This can greatly reduce accidents because of human error.
- **Robotics**
- **Camera leveling**
- **Lab instrumentation**

