

### Wind Direction Sensor

- Direction Measurement Range: 0° - 360°
- Potansiyometer Output: 1 V DC- 15 V DC
- Operating Temperature: -55 °C to +60 °C (-67 °F to +140 °F)
- Operating Humidity: 0 - 100% RH
- Weight: 0.14 kg (0,3 pound)
- Length: 21 cm (8,3 inches)
- Height: 12 cm (4,3 inches)
- Total Height of Sensor: 27 cm (10,5 inches)

### Pressure Sensor

- Operating Range: 700mb to 1100mb
- Resolution: 0.1 hPa
- Accuracy: ±0.3 hPa



### Temperature Sensor

- Operating Temperature: -40°C to +60 °C
- Resolution: 0.1 °C
- Accuracy: ±3 °C

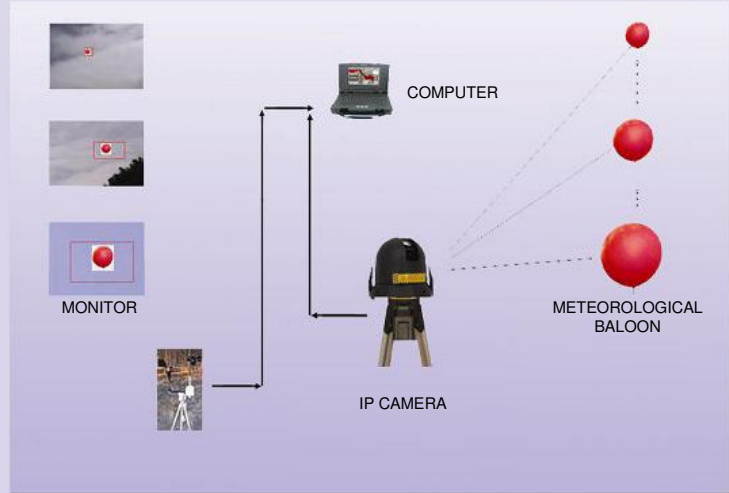
### Humidity Sensor

- Power Supply: 10 V DC to 32 VDC
- Operating Temperature: -20 °C to +80 °C
- Operating Humidity: 0 - 100% RH
- Output Signal: 4 ... 20mA
- Weight: 100gr
- Box Dimention: 8 cm x 8 cm x 3,7 cm
- Total Height of Sensor: 27 cm (10,5 inches)
- Adjustable Scale Range: 0°...50°C, 0°...100°C, 20°...80°C,  
-30°...20°C, -30°...70°C



### Wind Speed Sensor

- Velocity Measurement Range: 1 m / sec to 96 m / sec (2.2 mph - 214 mph)
- Calculation of the measurements: (Vel.x0,765) + 0,35  
[mil/sec= (Vel.x 1,711) + 0,78]
- Output: 0 Hz - 125 Hz
- Operating Temperature: -55 °C to +60 °C (-67 °F to 140 °F)
- Operating Humidity: 0 - 100% RH
- Weight: 0.14 kg (0.3 pound)
- Cup Dimention: 51 mm (2 inches)
- Total Height: 81 mm (3,2 inches)
- Total Height of Sensor: 27 cm (10,5 inches)



## AYYAZILIM LTD. ŞTİ.

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# VIDEO TRACKING PIBAL SYSTEM



-Video Tracking Pibal Method is a combination of latest video tracking technology with the traditional PIBAL Method observation system.

-This unique design of Ayyazılım is producing ballistic meteorological reports according to customer needs.



By this system:

1. The ground level meteorological data such as pressure, temperature, wind direction and wind velocity are measured.
2. The pilot balon is weighed and then filled with helium and hydrogen gasses to detect the lifting power of air.
3. The weight is subtract then balon is fixed to a standard level from tracking system.
4. Then video tracking system is fixed to balon movement and tracked it. It help to collect true data of wind velocity and direction for customer needs.

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