

ATRH Sensor (OATRH)



OBEL Both

Temperature and Humidity are built into the Radiation shield at the bottom of the assembly. The integral shield limits errors due to solar radiation. The RH sensor is a capacitive element enclosed in a protective membrane.

Specifications:

Accuracy, Range, and Resolution (Temperature)

Resolution	: 0.05°C
Range	: -40°C to +80°C
Response Time	: under 10 sec
Accuracy	: ±0.1°C / ±0.2°C

Accuracy, Range and Resolution (Humidity)

Resolution	: 1% RH
Range	: 0% to 100%
Response Time	: under 8 sec
Accuracy	: ±2% RH non-condensing

Interface

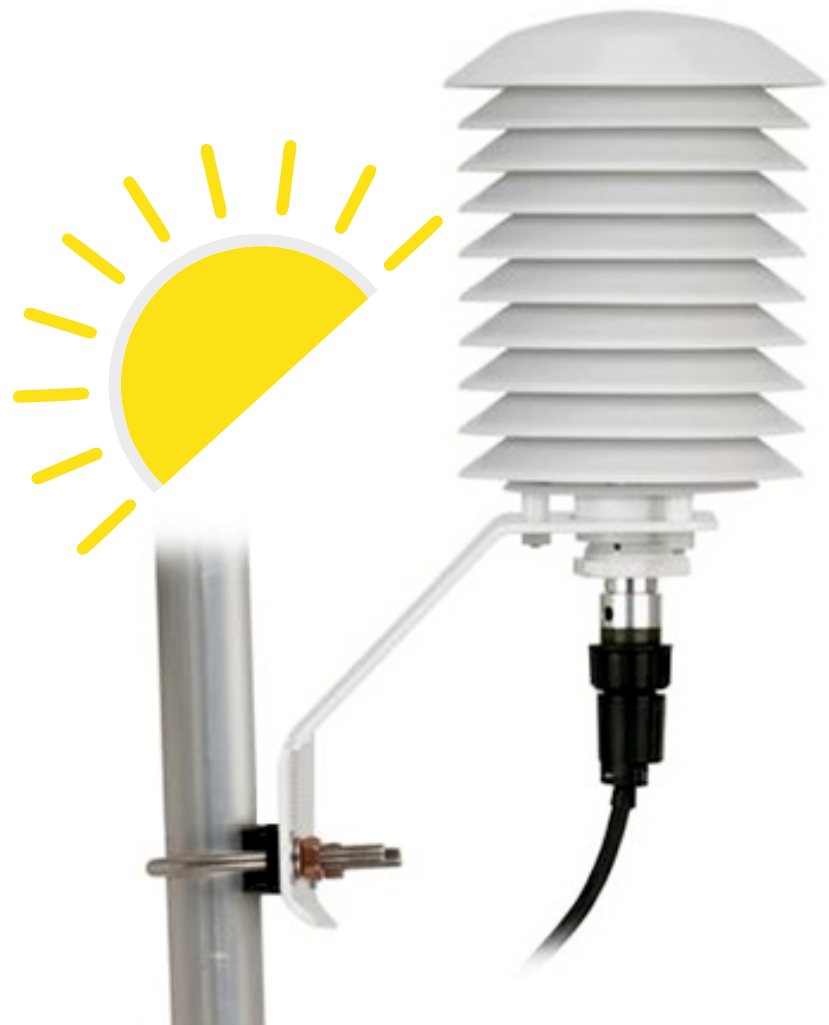
Digital	: over I ² C bus
Max	: 3.3V / 5V DC, 1 mA

Features

- Large radiation shields for better protection and air circulation.
- Consistent performance over service life span.
- Periodic calibration may be desirable to ensure measured accuracy.

Application

- Weather monitoring station
- Industrial application
- Disaster management
- Environmental monitoring
- Climate research
- Precision / Smart agriculture
- HVAC



Obel Systems Pvt. Ltd.

Registered Office: No. 7, Ground Floor, Jaya Mansion, Parklane, 126, S.D. Road, Secunderabad, Telangana, India 500003
www.obelindia.com

Sales & Service: Plot:106, AmarJyoti Colony, Bhavana Enclave, New Bowenpally, Secunderabad, Telangana, India 500011
+91-40-40202190 | info@obelindia.com