

# WIVIS

## Present Weather Sensor

The WIVIS is an automated instrument providing accurate visibility and precipitation measurement. The sensor detects rain, snow, and mixed precipitation conditions.

Patented OSi technology uses adaptive environmental algorithms to optimize sensor performance in all weather conditions. OSi has added several new features including WMO codes, automated calibration, and optional hail & ice pellet detection to further enhance sensor performance. WIVIS® analyzes multiple channels of data to calculate the present weather and visibility. This approach recognizes that weather sensing requires a dynamic measurement, continually adapting to the environment at the moment. A new self-compensating algorithm makes field calibration unnecessary for up to 2 years.

WIVIS® reports precipitation occurrence, precipitation type, precipitation intensity, and precipitation accumulation, in a variety of weather codes (NWS / WMO) and units of measure (English / SI) as well as visibility. The WIVIS® is perfect for general weather observation, transportation information, and aviation applications. It is arguably our most successful commercial grade weather instrument.

### Advantages

- Advanced optical technology
- Easy installation
- Reports NWS/WMO formats
- Self diagnostics and testing
- Rugged design
- Long-term reliability
- Low maintenance
- Enhanced EMI protection



### Technical Specifications

Visibility dynamic range:	Select at time of ordering: 0 to 3,000m, 0 to 10km, 0 to 16km, or 0 to 50km.
Rain dynamic range:	0.1 to 3,000mm/hr
Snow dynamic range:	0.01 to 50mm/hr
Accuracy:	±5% of reading
Outputs:	Digital RS232
Alarms:	2 channels, TTL Hi/Lo
Environmental:	Temperature -40° to +50°C Humidity 0-100%
Power supply:	220VAC 50/60Hz at 80VA 12VDC optional, 20VA nominal
Weight:	4.5kg (head weight)
Dimensions:	73.7cm x10.2cm x 25.4cm

### Ordering Information

WIVIS Present Weather Sensor

TST130 Field Calibration kit

Unit 9, 14 Rodborough Road, Frenchs Forest, NSW 2086 Australia  
Telephone: 61-2-9452-3355 Facsimile: 61-2-9452-3255  
Email: sales@delairco.com

**Delairco**