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Pyranometer Model 3016



- Weather Resistant
- Simple Calibration
- Low Maintenance

Overview

The AWI Model 3016 Pyranometer uses temperature compensated detector technology. It is particularly suitable for meteorological networks and the reduced response time of 1.66 seconds (63%) meets the requirements for solar energy application.

Accuracy by Design

The rugged, durable design of the Model 3016 is resistant to weather. A waterproof socket is fitted for the signature yellow signal cable, which is available in a range of lengths, pre-wired to the waterproof plug.

The integral bubble level is raised to the top of the housing and can be viewed without removing the redesigned snap-on sun shield, which also covers the connector. The connector, with gold-plated contacts, allows for easy exchange and recalibration. The screw-in drying cartridge is easy to remove and the replacement desiccant is supplied in convenient refill packets.

The Model 3016 Pyranometer does not require any power. It supplies a low voltage of 0-20 mV in relation to the amount of incoming radiation. When a higher voltage level or a 4-20 mA signal is required, the AMPBOX is the perfect solution.

SENSORS

SPECIFICATIONS

Parameter	Specification
Spectral Range	285 - 2800 nm (50% points)
Maximum Irradiance	4000 W/m ²
Operating Temperature	-40° to +80° C
Response Time	< 5 s
Sensitivity	4 - 6 μV/W/m ²
Field of View	180°

ORDERING INFORMATION

Part Number	Description
3016	Pyranometer
30319	Mounting Kit
30319-F	Frangible Mounting Kit

DIMENSIONS & WEIGHTS

Weight	0.85 kg
Shipping Weight	1.0 kg



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