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MODEL
PCCD

PASSIVE CLOUD COVER DETECTOR

Reliable. Accurate. Maintenance-Free.

The Passive Cloud Cover Detector from Optical Sensors Sweden is a cutting-edge, all-sky imaging sensor that delivers continuous, accurate cloud cover measurements – day and night, in all weather conditions.



All-sky cloud
cover detection



Day & night
operation



Rugged & reliable
in all environments



Maintenance-free
design



Easy integration
& data output



OVERVIEW

The Passive Cloud Cover Detector (PCCD) uses a hemispherical imaging system and advanced image processing algorithms to measure total cloud cover in oktas (0-8). The sensor captures high dynamic range sky images and calculates cloud cover with exceptional accuracy and consistency.

- Measures cloud cover in oktas (0-8)
- High accuracy and fast response
- No moving parts — long lifespan
- Compact, robust and weatherproof
- Low power consumption
- Plug & play with multiple output options

IDEAL FOR

- ✓ Solar & PV Monitoring
- ✓ Weather Stations
- ✓ Aviation & airports
- ✓ Research & education
- ✓ Hydrology & climate Monitoring



KEY FEATURES



All-Sky Imaging

180° hemispherical view for total sky monitoring



Accurate Cloud Cover

Measures in oktas (0-8) with high accuracy



Day & Night Performance

Reliable measurements 24/7 in all light conditions



Built for Harsh Environments

IP65 housing for outdoor durability



Easy Integration

RS232 / 0-5V



Advanced Image Processing

Onboard processing for consistent, high-quality data



**SEE THE SKY.
MEASURE THE CLOUDS.**

Accurate cloud cover data for
better decisions and smarter
operations.