

# Passive Cloud Cover Detector

**Model: PCCD**



This Optical Sensors Sweden make CCF sensor is for measurement of the Cloud Cover Factor. This innovation makes it possible to get automatic observations of the Cloud Cover Factor, CCF 24 hours a day i.e. the fraction of the sky that is covered with clouds. It consists of a day time unit that observes the sky in 4 directions in parts of the solar spectrum, a night time unit that observes the sky in the thermal infra-red spectrum. A microcomputer evaluates the signals and controls the output.

#### Short data for the Unit:

Approx. size: 22\*13\*15 cm  
Power supply: 12 Volt DC  
Current consumption: about 2 mA for electronics and about 50 mA for heating  
Temperature range: -20 to +70 deg C  
Output: Analog 0 to 1V, for CCF 0 to 100%.  
Alt: digital RS232 polled or streaming

#### Applications:

- Marine vessels
- Small airports & helipads
- Remote weather monitoring stations
- Environmental field sites
- Ports & harbours
- Mobile weather monitoring vehicles
- Coastal weather monitoring stations



Represented by:

**\*\* Drawing & specifications are subjected to change at any time without prior notice as per manufacturing suitability.**