



AWOS Model 3000 Central Data Platform (CDP)

allweatherinc

Overview

In an AWI AWOS (Automated Weather Observing System), meteorological data is collected by sensors located at the touchdown zone of a runway, and is then transmitted by the Data Collection Platform (DCP), located at the sensor tower, to the **Central Data Platform (CDP)**. The mini rack enclosed Model 3000 CDP consists of the central processing computer, a high resolution display (with keyboard and mouse), VHF ground to air radio, wireless data radio (if required), telephone modem, UPS and speakers. The CDP receives data from the DCP and then outputs accurate, current weather data to the high resolution display screen, various remote display locations (optional) and a voice output accessible via speakers, the VHF ground to air radio and/or telephone dial-up. The Model 3000 is Federal Aviation Administration (FAA) certified, meeting all the regulatory requirements of Advisory Circular (AC) 150/5220-16D, including interfaces to the National Airspace Data Interchange Network (NADIN) and the AWOS Data Acquisition System (ADAS).



The CDP user's software utilizes an interactive menu system to configure and operate the AWOS. With the click of a mouse, the user can customize the system's operation or access nested menus containing data archives and system maintenance controls. Up to two 90-second voice remarks can be entered by the operator at the CDP, and these will then be appended to the ongoing voice report. The voice remark is sometimes used in place of an Automatic Terminal Information System (ATIS). A running record of measured weather conditions and overall system operation is maintained in the CDP's archive files. This data is retained for one year. An archive file is an automatic report written to nonvolatile memory once every five minutes. These archive files may be accessed at any time for viewing or printing using the Reports Menu or dial-up remote maintenance monitoring software, available to authorized users.

The model 3000 AWI CDP is the perfect solution for any size airport. Combining all the FAA required elements into a compact, lockable (for added security) rack solution will save precious office space and ease of installation and maintenance. The Model 3000 CDP's functionality has been created from years of experience and combining customer feedback with FAA requirements.

SYSTEMS

SPECIFICATIONS

Parameter	Specification
AWOS Type	AWOS A thru AWOS IIIPTZ
Supported Sensors	Wind Speed and Direction Temperature / Humidity Dew Point Pressure and Altimeter Setting Density Altitude Visibility Rainfall Day / Night detection Cloud Height (8339 only) Present Weather Thunderstorms and Lightning Freezing Rain
Power Supply	110 / 120 VAC, 100W
Operating Temperature	5 to 40 degrees C
Relative Humidity	5 - 90% noncondensing
Display	17" LCD (1280 x 1024)
Communications	RS232, RS485 UHF / VHF wireless radios

ORDERING INFORMATION

Part Number	Description
3000	Central Data Platform (CDP)
AWOSPRINTER	AWOS 3000 Printer

DIMENSIONS & WEIGHTS

Weight	Complete: 138 lbs.
	Without UPS: 68 lbs.
Dimensions	Depth 20" Width 20.5" Height 22"

Note: For additional information and functional capabilities, please refer to Model 3000 AWOS User's Manual or contact an AWI Sales representative.



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