



# Data Collection Platform Model 1190

allweatherinc

## DESCRIPTION

The Model 1190 Data Collection Platform (DCP) is used with Automated Weather Observing Systems (AWOS) for collecting and processing sensor signals. Located at the sensor station, the DCP collects data from the sensors, performs error detection on the received information, converts the sensors' data into engineering units, and transmits a message packet containing sensor data and status information to the Central Data Platform (CDP) once every five seconds. The DCP can communicate with the CDP using one of several available methods: RS-232, RS-485, UHF Radio, or Spread Spectrum Radio. The Model 1190 DCP mounts to the sensor tower using Unistrut. Optional barometric pressure (Model 7150) and radio kits mount inside the DCP enclosure. A keypad and LCD display screen are located inside the DCP enclosure for viewing sensor data and performing maintenance checks. The DCP is equipped with a battery charging circuit that allows it to be powered by an optional rechargeable 12V backup battery during power outages.

In addition, the model 2715 Universal Power and Communications module can be interfaced into the DCP as well. The 2715 provides power data logging capabilities and additional power supply and communications interface to several sensors.

The Model 1190 DCP is Federal Aviation Administration (FAA) certified, meeting all of the most current regulatory requirements.



## ORDERING INFORMATION

Supported Sensors	
2020 / 2030	Wind Sensors
2040	Ultrasonic Wind Sensor
5190	Temp/Relative Humidity Sensor
8190	MARS
7150	Barometric Pressure Sensor
11906	Barometric Pressure Kit
6011 / 6021	Rain Gauges
8400	Transmissometer
8364 & 8365	Visibility Sensors
8339	Ceilometer
6490 / 6498	Present Weather Sensors
6495 / 6496	Freezing Rain Sensor
6500	Thunderstorm/Lightning Sensor
2715	Universal Power / Comm Module
3022	Pyranometer
One auxiliary voltage input sensor (0-10 V DC)	

SENSORS

# SPECIFICATIONS

Parameter	Specification
Supply Voltage	110/220 V AC
Operating Temperature	-40°C to +60°C
Storage Temperature	-40°C to +60°C
Display	2 line x 20 char LCD
<b>Fuses</b>	
Backplane (F1)	0.5 A, 250 V slow-blow
Power Interface Board (F1)	10 A, 250 V slow-blow
Power Interface Board (F2)	5 A, 250 V slow-blow
Communication w/CDP	RS-232, RS-485, UHF radio

# DIMENSIONS & WEIGHTS

Size	6.25" x 15.0" x 16.5" (16.0 x 38.0 x 42.0 cm)
Weight	15 lbs (6.8 kg)
Shipping Weight	17 lbs (7.71 kg)



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