



MODEL 5881

Packaged Weather Station

General Description

The HydroLynx 5881 Packaged Weather Station combines the effectiveness of the standard ALERT 5081 Self-Reporting Weather Station with the utility of the 50388 transmitter. In addition to its multiple communication pathways, the 50388 features data analysis which allows data to be processed on site prior to transmission.

Processing data allows the 50388 to transmit averages, maximums, minimums and other computed values; this eliminates the transmission of large amounts of data required for these calculations at the base station. When not limited by the ALERT protocol, data in engineering units with base sets are transmitted.

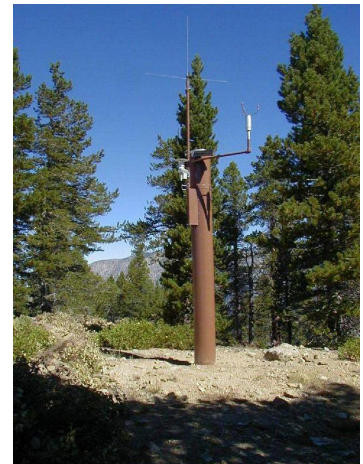
The standard 5881 consists of wind, temperature, humidity, barometric pressure and precipitation sensors; a 50388-81 Data Transmitter; a solar panel; interconnection cables and omni antenna. An RS232 programming port and SDI-12 sensor input port are standard. The 50388 can be expanded to 16 analog inputs, four low speed counters (rain sensor inputs), four high speed counters (wind inputs), twelve digital status inputs and six digital outputs.

Specifications

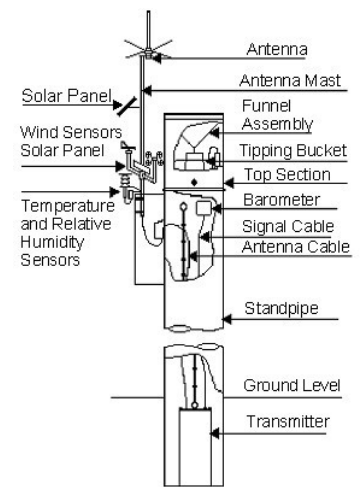
Height	12 ft., including rain gauge
Diameter	12 in.
Weight	80 lbs.
Shipping Weight	90 lbs.

Ordering Information

5881	Packaged Weather Station — includes:
5081SA	Standpipe Assembly:
5081SO	Standpipe
5081MX	Antenna Mast and Cross Arm
5050A	Omni Antenna, 3 dB
5081C-RG8	Antenna Cable with connectors
5081LR	Lifting Rope
50388-81	Transmitter with data logging
RTR	Radio Link (Specify radio and frequency)
5031-22	Gel Cell Battery, 22 AH, 12 Vdc
5033-0.6B	Solar Panel, Regulator, Mounting Bracket
5054TS	Rain Gauge Top Section, includes:
5050P	Tipping Bucket Assembly, Funnel and Screen
1522	Barometric Pressure Sensor
2048RH/T	Relative Humidity and Temperature Sensor in 4550 Shield
5050WS	Wind Speed Sensor
5050WD	Wind Direction Sensor



Weather Station, San Bernardino County, CA



Options

5081D	Access Door for Standpipe	50388-OP4	6 Serial Port Expansion
5050LA	Antenna Lightning Protection	50388-OP6	Internal Power Supply
5054SG	Standpipe Ground Kit	50388-OP14	Network Interface with Connector
SAM160	Directional Antenna, 10 dB	50388-OP21	Cellular Radio Modem
5073TBX	50388 Toolbox Software	50388-OP22	Iridium Satellite Modem
50388-OP2	10-Pin MS Female Digital Status Connector	50388-OP23	Wi-Fi Radio Modem
	Radio Options		
	Default		Maxon 5W with Enclosure
	Supported		Ritron 5W with or without Enclosure; Ritron 30W with Enclosure