

ALERT Data Transmitter MODEL 3306-00/3316-00

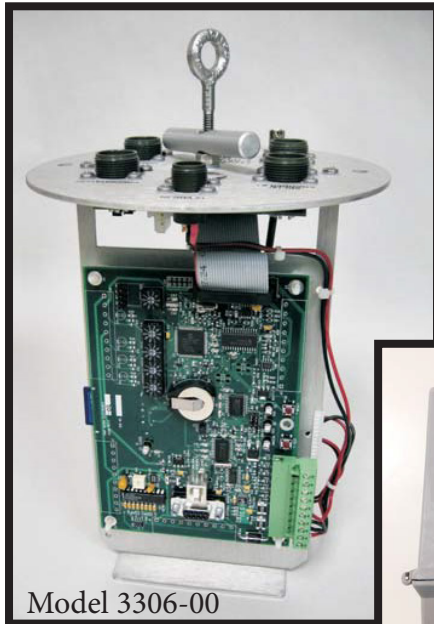
- Multiple Analog, 5 Digital Inputs & SDI-12
- Repeater Capability
- Switch Programmable OR Graphical User Interface
- Fuse Protection on Solar Panel, Battery, 12 volts Switched
- 16 Gigabytes of Removable Memory



PHONE: (800) 275-2080

HIGH SIERRA ELECTRONICS, INC.

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Model 3306-00

BENEFITS:

- Receive wireless data from your critical monitoring sites.
- Combine with a HSE's quality Rain Gauge to help predict possible flash flood events.
- Receive near real-time data to help with water management decisions.



Model 3316-00 Top View

- Use transmitted data to enhance your current emergency management systems.
- Update Firmware in the field, via USB cable, when new versions are available.

DESCRIPTION:

The Model 3306-00 and 3316-00 ALERT Data Transmitters are a powerful and flexible addition to the ALERT family of products designed with the field technician in mind. Model 3306 is housed in an aluminum canister and Model 3316 is housed in a weather resistant NEMA enclosure. The standard configuration accepts analog inputs, up to 2 shaft encoders, up to 2 precipitation, SDI-12, wind speed, wind direction, vector wind, peak gust, and road ice.

The basic programming mode allows the user to configure the unit simply by using rotary switches. Four switches are used to set the Station ID number and a fifth is used to select from factory-defined or user-defined preset sensor configurations for different station types. This allows for very quick set-up without the need for a laptop computer in the field.

Alternately, users can use the included Insight Software (a graphical user interface; GUI) for fast, easy set-up from either a desktop or laptop computer in the field. The user can program the following parameters independently for each sensor to be logged: ALERT ID number, input number, multiplier and offset, sample interval, amount of change needed to generate an event, transmission hold-off time, amount of change needed to override transmission hold-off time, and a timed report interval.

Data is logged on a Secured Data (SD) memory card and can be retrieved via the USB or serial port. The SD memory card can also be removed for later downloading and replaced with a spare card.

The transmitters are supplied with a VHF or UHF data radio for ALERT data transmission, however other communication devices such as GPRS radio or CDMA (cellular) can utilize the serial port. Effective 2014, the 3306 acts as a repeater.

02-3306-00(E)

Environmental Monitoring Solutions

WEB SITE: www.highsierraelectronics.com E-MAIL: sales@highsierraelectronics.com

Model 3306-00 / 3316-00 Data Transmitter

SPECIFICATIONS:

Sensor Inputs	Analog, 2 Precipitation, 2 shaft encoder, 2 SDI-12, Battery Voltage, Wind Gust, Vector Wind, Wind Run, and Road Ice.
Total Sensors	Up to 20
Analog Resolution	12 bits (0.0012 V)
Sampling Interval	0 seconds to 18 hrs programmable
Reporting Modes	Time-defined and/or event
Reporting Interval	0 seconds to 596523 hrs programmable
Event Change To Report	0 to 65535 counts
Reporting Override Value	0 to 65535 counts
Hold-off Interval	0 to 65535 counts
Data Logging Modes	Timed-defined and/or on transmission
Data Logging Interval	0 seconds to 596523 hrs programmable
Data Format	ALERT Binary Standard
Recorded Data	0 to 2047
Record Size	8 bytes/record, 1 file per month per sensor
Logging Memory	16 GB SD Card
Real Time Clock	Clock/Calendar w/on-board Battery Back Up w/Leap Year Correction
ID Number Range	0 to 8191, programmable
Radio Frequency Range	VHF 136 to 174 Mhz @ 5 W, UHF and other bands available
Radio Freq. Warm-up	Default 180 ms, programmable
Power	12 to 18 VDC, < 1 mA,
Battery	12 VDC, 12 AHr
Lightning Protection	Standard on all inputs
Solar Panel Connector	Standard 3-PIN MS
Radio Connector	BNC
Operating Temp. Range	-40° to 140° F (-40° to 60° C)
Storage Temp. Range	-58° to 158° F (-50° to 70° C)
Warranty	3 Years from date of shipment

ORDERING GUIDE:

	3306-00	3316-00
Analog Inputs	6	8
Input Connectors	MS	MS
Enclosure	Aluminum Canister	Fiberglass Weather Resistant
Size	7 x 17 in (17.8 x 42.2 cm)	12 x 14 x 5.5 in (30.5 x 35.6 x 14 cm)
Weight	9 lbs (4.1 kg)	15 lbs (6.8 kg)
Estimated Shipping Weight	10 lbs (4.5 kg)	20 lbs (9.1 kg)

See our website www.highsierraelectronics.com for more specification and ordering information

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