

Model H-222DASE

High Data Rate GOES Radio
with Internal GPS



The **WATERLOG[®]** H-222DASE GOES Radio links up with the H-350, H-350XL™, H-500, H-500XL™, and H-510 allowing any of the sensor readings to be transmitted over the GOES Radio system. The H-222DASE GOES Radio may be added easily to existing H-350, H-350XL™, H-500, H-500XL™, and H-510 sites.

KEY FEATURES

- Menu driven setup interface using the H-350, H-350XL™, H-510, H-500, or H-500XL™ via Built-in Display and Keypad or through RS-232 Port using a PC Terminal
- Self-timed and random transmissions
- Low standby power
- Binary or ASCII data format
- Selectable data order
- Ability to transmit different data than what is logged to the FLASH Card
- User programmable data rates of or 100BPS, 300BPS or 1200BPS
- Ability to use GPS time from transmitter for time management of other system devices



SPECIFICATIONS

Frequency Coverage

100 and 300 BPS: GOES Domestic Channels
(1-199)
100 BPS: International Channels
(201-266)
1200 BPS: HDR Domestic Channels
(1-133)

Frequency Stability

Over Temperature: ± 0.4 PPM
Long Term: ± 0.4 PPM (including
temperature)
Frequency Setting: Short term stability $< 1\text{Hz/second}$
Timing accuracy: < 0.1 seconds with GPS receiver

Output Power

Output Power: 10 Watts linear (nominal)
Output Dependence: 50 Ohms, short and open circuit
protected
DC Power Input Voltage: 11 to 15 Volts
Standby: 3mA Standby
 < 50 mA during GPS acquisition
 < 4 amps when transmitting

Environment

Humidity: 90% non-condensing
Temperature Range:
-Operating -40° to $+60^{\circ}$ C (-40° to $+122^{\circ}$ F)
-Storage -55° to $+75^{\circ}$ C (-67° to $+167^{\circ}$ F)

Power Requirements

DC Power Input Voltage: 11 to 15 Volts
Standby: 3mA Standby
 < 50 mA during GPS acquisition
 < 4 amps when transmitting

Mechanical Data

Enclosure: Sealed, corrosion resistant fiberglass
case
Size: 7.0 in. wide x 8.5 in. long x 4.3 in. deep
Weight: 3.5 lbs.
Mounting: Hardware supplied for wall mounting

Miscellaneous

Certification
NOAA/NESDIS certified for self-timed and random
GOES transmissions

Warranty

The **WATERLOG**® H-222DASE is warranted against
defects in materials and workmanship for one year
from date of shipment.

Note

Specifications subject to change without prior notice
due to on going commitment to product testing and
improvement. LR March 19, 2004