

Vaisala HIS Portable Advisory Radio HAT100



Benefits

- AM radio is standard in nearly all vehicles
- Allows you to inform the public 24/7
- Mobile - use the system when and where you need it
- Easy to operate
- Quickly deploy one or more sites

Features

- Simple and quick to assemble, deploy and disassemble
- Broadcasts messages to motorists in a three to five mile radius
- Robust design, including built-in lightning suppression
- Meets all FCC rules and regulations
- Weather-resistant and theft-deterrent enclosures
- Portable ground system
- On-board digital recorder preserves audio messages with no external power source
- Solar powered
- Power is stored in high-performance batteries
- Can be integrated with variable or portable message signs

Overview

Vaisala HIS Portable Advisory Radio HAT100 is a portable Highway Advisory Radio (HAR) system that keeps traffic flowing by broadcasting up-to-the-minute radio advisories to motorists. The flexibility of HAT100 allows for quick set-up, and you can be "On the Air" in ten minutes or less. Solar power offers dependable service around the clock and during extended periods of inclement weather.

HAT100 utilizes low-power AM radio to inform motorists of conditions ahead, giving them enough time to take action or alternate routes. HAT100 can be used to assist in managing a construction site, a

temporary incident, an inclement weather evacuation, or a frequently congested traffic area. With a radio message you can relay significantly more information than with a dynamic message sign. Messages can be changed quickly and remotely should conditions vary, and when the job is finished, simply move HAT100 to your next project.

HAT100 has the ability to save messages for years with no external power source. That means no fuel, no landline utilities, no noise, no maintenance and no lost messages. Even in outdoor storage, Solar Max is charging the batteries so you can be set up and on the air in minutes.

Technical data

Power

Provides 10 days of power during inclement weather
120 watt solar panels
200 amp batteries

HAR Access/Control

Local handset
Remote Control from any touch tone phone
Network control via digital modem

Digital Recorder Player

80 minutes of messaging memory

Transmitter

3-5 mile radius (6-10 Km)
10 watt transmitter
Approved FCC part 90.242
Adjustable power output
Receives GPS input for synchronization

Gross Weight of Trailer

635 to 726 kilograms (1400 to 1600 pounds)

Environmental Temperature

-40 °C to +85 °C (-40 °F to +185 °F)

Dimensions

1.8 meters x 4.3 meters (including tongue) (6 feet x 14 feet)

Enclosure

NEMA 3R Weatherproof enclosure

Antenna and Transmitter

Dual antennas and transmitters
Typically licensed statewide with 2 frequencies
Easily switchable to alternate frequency if needed

Applications

- Severe weather notifications
- Local road conditions, closures or delays
- Emergency evacuations
- Temporary lane closures for maintenance or construction
- Incident management
- Local events such as parades, festivals or tourist attractions
- Homeland security
- Military or defense applications

VAISALA

For more information, visit
www.vaisala.com or contact
us at sales@vaisala.com

Ref. B211021EN-A ©Vaisala 2010
This material is subject to copyright protection, with all
copyrights retained by Vaisala and its individual partners. All
rights reserved. Any logos and/or product names are trademarks
of Vaisala or its individual partners. The reproduction, transfer,
distribution or storage of information contained in this brochure
in any form without the prior written consent of Vaisala is strictly
prohibited. All specifications — technical included — are subject
to change without notice.

