

## Vaisala HIS Black Max HAX100



### Overview

Vaisala HIS Black Max HAX100 is the electronic unit of a Highway Advisory Radio (HAR) system. It supports multiple components, allowing you to add or upgrade your HAR station without replacing the entire system. HAX100 was designed specifically for use with HARs, which provide motorists with up-to-the-minute travel and weather information from their standard car radio.

The sleek design of HAX100 puts all the controls up front for easy access. The rack-mounted component system lets you build the unit to suit your needs, leaving room to accommodate future modules. Simply remove an old module and install a new one, or add the latest technology - all in just minutes.

### Benefits

- Flexible structure allows you to build the system with low upfront costs
- Easily add new modules or upgrade to the latest technology
- Quality, reliable electronics - little to no maintenance required

### Features

- Modular design provides easy access
- Electronics housed in a Eurocard cage (19 inch rack)
- Optional extender card simplifies troubleshooting
- Five year warranty
- Rugged construction to withstand harsh weather conditions
- Electronics can be used with all Vaisala's Highway Advisory products
- Health-monitoring when used with Vaisala's Communication Control Software

# Technical data

## **Power Supply**

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Model DRPSM1

Clean, efficient power

Protects electronics from power surges

Power automatically switches to battery back-up when needed, ensuring service is never lost

Meters for troubleshooting

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## **Digital Communications Controller**

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Closed loop control

Multiple communication channels to control HAR (land line, cellular, modem, or Ethernet)

Continuously monitors system status

(power, operating mode, and absence of broadcast)

Notifies user when faults are detected

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## **Recorder/Player**

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Model DR1500

Stores messages in digital memory

Up to 80 minutes total record time

Messages play continuously or at timed intervals

Unmatched scheduling capabilities

Superb audio quality

Broadcast live during emergencies and resume normal programming after the event

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## **Synchronizer**

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Model GPS-1

Accurate GPS signal provides precise transmitter frequency

Allows multiple HAR stations to broadcast the same audio message with seamless coverage

Superior sound and quality

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## **Transmitter**

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Models DRTXM2; DRTXM3; DRTXM4

Broadcasts messages at the maximum legal power allowed by the FCC

Enclosure ventilation is not required

Clean, trouble-free operation

Comprehensive metering indicates performance

Minimal distortion and noise

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## **Weather Receiver**

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Model ALERT EAGLE

Provides up-to-the-minute information directly from the National Weather Service

Uses SAME and EAS codes for programming specific areas of interest

Excellent reception

High-quality, filtered audio

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**VAISALA**

For more information, visit  
[www.vaisala.com](http://www.vaisala.com) or contact  
us at [sales@vaisala.com](mailto:sales@vaisala.com)

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