

INSTOMA

Mass Notification system

AHV-2000D



Wide Coverage and Good Speech Quality

Instoma has provided high power voice and warning devices for military and public use. We are applying innovative designs to ensure good efficiency and unmatched speech quality. Our goal is to offer you field-tested, reliable and effective products that will give you superior performance, year after year.

Clear Speech Messages To The Public

The system has been designed to be very powerful and special attention has been paid to be able to notify using speech messages. The volume of both warning signal and speech has been measured (in a test location and using two amplifiers) to be about 90 dB at the distance of 500 m and 45 dB at the distance of 5 km. It is possible to use the speech mode continuously without any harm to the amplifier.

Innovative Solutions

Instoma, an expert in professional electronics field, has developed the system in cooperation with the Finnish military. The system has been designed and is manufactured in Finland. Instoma is capable of offering custom solutions to better meet customer needs.

The system is using mains power and is equipped with a battery backup system. Warning signals are preprogrammed and the warning can be activated locally or remotely either via radio or a mobile phone connection.

Tested by A Demanding Customer

The system has gone through a demanding test program both in a laboratory environment and in military use during the past 15 years. Reliability and performance have been verified in real life field use.

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Technical specifications

Dimensions (whole system)	600x600x600 mm
Weight	88 kg, (without batteries 50kg)
Encapsulation class	IP 54
Max. supply power	3,5 kW
Standby power	about 30 W (including Virve handset)
Standby time (on batteries)	about 72 hours

Amplifier AHV-1000 (Typical installation includes two amplifiers – specifications are given for a two amplifier system)

Output power rms	2000 W / 8 ohm, 4000 W (pp) / 8 ohm
Frequency response	300-4000 Hz, Siren frequency 300-600 Hz
Supply voltage	72 V (battery backup system)
Supply current (max.)	30 A
Efficiency	90 %

Control unit AHV-2008

Line connection	0 dBm, compression -10db / -3dB
Microphone connection	about 5mV/600 symmetric, compression -10db / -3dB
Warning and alarm signals	According to standard Local or remote control:
Test	7 s
General danger	7/7-60 s
All clear	60 s

The control unit includes Tetra adapter, which is compatible with for example the following handsets:

Nokia, Sepura and Motorola

Mass Notification and Professional Electronics
Solutions

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