

# AD-52 - Wire antenna

Type designation: **AD-52**

PN (RN): **6000001411**

The antenna AD-52 is a wideband wire directional antenna intended for use with handheld or manpack radio units in VHF frequency range from 30 to 88 MHz. The antenna is mainly intended for use in stay because of its simple construction and easy erecting. Except of the wire radiating element the antenna is composed of matching transformer unit, watertight enclosed in a fiberglass housing, the 15 m long coaxial feeder, lifting rope 25m with weight, anchor and hammer. All together is packed in a handy linen bag, suitable for transport.

## Technical parameters

<b>Frequency range</b>	30 MHz to 90 MHz
<b>Impedance</b>	50 $\Omega$
<b>VSWR</b>	< 1.8
<b>Gain ( vs. 1/4 I)</b>	8 dB to 11.5 dB
<b>3 dB beamwidth azim.</b>	90 ° to 30 °
<b>3 dB beamwidth elev.</b>	35 ° to 10 °
<b>Front to back ratio</b>	> 13 dB
<b>Polarization</b>	vertical
<b>Maximum power</b>	50 W CW
<b>Connector type</b>	FME +N, TNC, BNC
<b>Weight</b>	3.8 kg
<b>Antenna length</b>	17.8 m
<b>Mounting height</b>	8 m to 10 m
<b>Temperature range</b>	-40 °C to +70 °C