

The antenna AD-32 is a wideband monopole for the frequency range from 144 to 176 MHz and is primarily intended for use on all types of vehicles. There is no need for tuning the antenna as we must do with standard mobile antennas. That property and also other advantages have been achieved with computer synthesis and optimisation. The antenna is composed of a base with coaxial cable and connector, of a spring and of a radiating element, made of stainless-steel whip with two concentrated elements built in. Besides these, wideband characteristics are achieved with a special line transformer network built in the antenna base. Under the base is a washer for connector protection against water.

Frequency range	144 - 176 Mhz
Impedance	50 ohm
VSWR	< 2 (DIAG. 1)
Gain	DIAG. 2
Polarization	VER.
Maximum power	50 W CW
Connector	4 m RG-58 + FME
Height	1025 mm
Mass of antenna	350 g
Wind velocity	180 km/h
Temperature range	-40....+70 °C



