



AM-145

### Description

Broadband amplifiers for masts. They have one, two or three inputs to amplify and combine the signals from the antennas. They are fed through the coaxial cable from a power supply unit installed inside the building. They incorporate a switchable DC path, allowing power to be supplied to a preamplifier.

### Applications

Individual digital and analogue terrestrial TV installations which require high gain. They amplify and mix the signals from several antennas. The signal obtained can be distributed to a large number of TV outlets by means of a single coaxial cable.

### Characteristics

Shielded zamak chassis, covered by a weather-resistant plastic casing. Easy to open and close, the chassis can be tilted to facilitate manipulation. It can be installed either on a mast, by means of a polyamide clamp, or on a wall. Resistant to sun and water (IP53). Greater insulation between inputs and outputs. F-type connectors for screwing or crimping.

### Accessories

- 9030086 AL-100 +24 VDC power supply unit.
- 9120039 CM-004 Male F connector for Ø6.6 mm coaxial.
- 9080023 MC-302 Male F connector for RG-6 coaxial, Ø7.0 mm.
- 9080030 MC-304 Male compression F connector for RG-6 coaxial Ø7.0 mm.

CODE		9030141	9030142			9030153			
MODEL		AM-145	AM-246			AM-346			
Connection			F female						
Inputs		1	2			3			
Frequency range	Band	UHF	FM	DAB	UHF	FM	DAB	UHF1	UHF2
	MHz	470-862	88-108	160-260	470-862	88-108	160-260	470-862	470-862
Gain	dB	32	20		32	20		32	
Flatness response	dB	±2	±1		±2	±1		±2	
Adjustable gain range	dB	16	20		16	20		16	
Output level	dBµV		108 (DIN 45004B) 105 (IMD3 - 66 dB) 93 (IMD2 - 60 dB)						
Return loss	dB	≥10	≥10			≥10			
Noise figure	dB	3±1	5±1		3±1	5±1		5,5±1	
Rejection between inputs	dB		≥30						
Power supply	VDC		24						
	mA		30						
Switchable DC path	VDC	24	-		24	-		24	
	mA	50	-		50	-		50	
Operating temperature	°C		-10...+65						
Protection index			IP 53						
Units per packaging									
Packing weight	Kg								
Packing dimensions	mm								

DIN 45004B: 3 unequal carriers, IMD3 at 60 dB  
 IMD3 - 66 dB: 3 unequal carriers, EN 50083-5  
 IMD2 - 60 dB: 2 equal carriers, EN 50083-5

The AM-145 amplifier is available in other power voltages and in kit format (see 67 and 70 pages).