

# 912 TV-SAT AND MODULATOR EQUIPMENT

## DOUBLE IF PROCESSOR CONFIGURABLE 1/2 INP



Code : **9120154**

Model : **UC-233**

### Description

Modular IF processor equipment with analogue LNB switching. The equipment converts the frequency of the satellite digital TV transponders to the IF band. It is composed of a power supply unit, an amplifier and up to 8 processors, which are mounted on a support frame. Can be programmed using PC software and a wireless programmer.

### Applications

Medium to large analogue or digital SMATV installations. The equipment permits the distribution of up to 30 transponders, 240 digital programs, of different satellites and polarities, through a single coaxial cable. Compatible with single, twin, quad and multiswitch LNBs thanks to its analogue switching (+13V/+17V 0/22KHz) and with collective installations in the IF band (950 to 2150 MHz). It is necessary to install individual digital DVB-S/S2 receivers with each television.

### Characteristics

The equipment equalises the levels of all the transponders and maintains the levels by means of an AGC automatic gain control. Zamak chassis with metal side covers. F type connectors. Fast and easy assembly.

CODE		9120154
MODEL		UC-233
Connection		F female
TV System		FM-TV / DVB-S / DVB-S2
Number of inputs		1 with duplexing or 2 independents
Processors by module		2
Input frequency range	MHz	950 - 2.150
Output frequency range	MHz	950 - 2.150
Frequency step	MHz	1
Band width	MHz	6..64
Input level	dB $\mu$ V	45..85
	dBm	-20..-60
Output level	dB $\mu$ V	85 $\pm$ 1.0
Output level stability	dB	<1
Output level adjust	dB	20
Automatic gain control	dB	40 Typical
Single-channel selectivity	MHz	40 (BW 36 MHz)
		30 (BW 27 MHz)
		20 (BW 15 MHz)
Channel flatness response	dB	<3
Through loss	dB	<1

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Noise figure	dB	10			
Spurious in band	dB	<40			
Return loss	dB	>15			
Phase noise	dBc/Hz	85 @ 100KHz			
Equivalent noise degradation	dB	<0.5			
LNB power supply	V $\ddot{=}$	13/18 (0/22KHz)			
	mA	350 max.			
Power supply	V $\ddot{=}$	+3.3	+5	+12	+24
	mA	600	366	105	15+LNB
Operating temperature close to equipment	$^{\circ}$ C	-10..+65			
Room temperature with/without fan	$^{\circ}$ C	-10..+55/+45			
Protection index		IP 20C			
Units per packaging		1			
Packing weight	Kg	1.1			
Packing dimensions	mm	270 x 170 x 38			