

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 μ V	45..85
	dBm	-20..-60
Output level	dB μ 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			