

# ESC-100

## QPSK-QAM transmodulator



### PRODUCT INFORMATION

- High quality QPSK-QAM transmodulator
- High output level (100dB $\mu$ V)
- Extremely compact design
- DVB-S and DVB-C compliant
- RS-232 for control and setup (PALM PDA or PC)
- Low power consumption



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## ESC-100

### High quality CATV QPSK to QAM transmodulator

#### DESCRIPTION

The ESC-100 is a QPSK to QAM transmodulator for digital cable distribution. It is designed for usage on both VHF and UHF so that every available channel on a cable TV network can be used.

#### SETTINGS AND CONTROL

The unit is controlled via an RS-232 connector on the front. Software is included for control via a PC.

#### QPSK SATELLITE RECEIVER

Input Frequency	950 - 2150 MHz
LNB connector	Type F female, 75 ohm
Input Level	-60 to -25 dBm
Spectral inversion	Yes, selectable
LNB voltage	Auto, Off, 13V, 18V programmable. 400 mA max. (short circuit protected)
22kHz to LNB	Auto, On or Off programmable
Symbol Rate	2 - 45 Mbaud
DVB compliant	DVB-S (EN 300 421)

#### QAM CABLE MODULATOR

QAM modes	16, 32, 64, 128 and 256 QAM
Test mode	Continuous Wave (carrier only)
Symbol rate	< 7.25 Mbaud (< 6.6 for 256-QAM)
MER (at RF out)	> 38 dB for 256-QAM
DVB compliant	DVB-C (EN 300 429)

#### RF OUTPUT

RF out connector	Type F female, 75 ohm
RF out frequency	50 - 858 MHz (center frequency)
RF out level	100 dBuV, variable 0 - -31dB
Spurious suppression	> 50 dB (1 - 1200 MHz)

#### MISCELLANEOUS

Power supply	6 - 9 VDC
Power consumption	< 6 W (excl. LNB feed) Max. 14 W with maximum LNB feed
Dimensions	165x105x20 mm (excl. connectors), panel 35x128 mm (7TE x 3HE)
Weight	Approx. 330 g
Controller	PC (software included)
Control connector	9 pin male D-sub
Operating temp.	0 to +50°C

*We reserve the right to technical changes without prior notice.*

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