

## FT-FTX-6-SCAPC-V2 | FT-FTX-10-SCAPC-V2

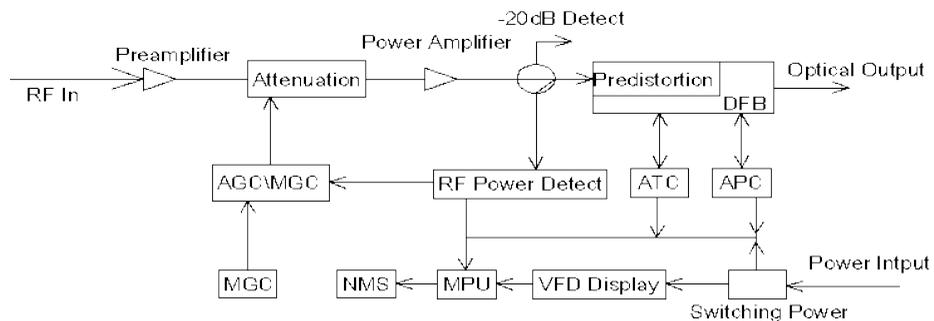
### 1310nm Fiber Optic Transmitter



The Fibertronix FT-FTX-\*-SCAPC series 1310nm transmitter is primarily used for analog modulated TV signals, digital QAM modulated TV signals, and data signals to be transmitted long-distances over single mode fiber optic cables. The transmitter utilizes a high linearity DFB laser, RF AGC, along with an RF predistortion circuit. The built-in microprocessor monitors the transmitters working status and automatically ensures proper performance.

#### Key Features

- Low noise high linearity Ortel-Emcore DFB laser
- GaAs Technology up to 1002MHz
- RF power digital automatic processing technology controls the laser and RF power level automatically according to the RF signal level and channels, ensuring the best C/N, CTB and CSO
- Excellent pre-distortion technology to improve CTB, CSO and C/N
- Built-in microprocessor accurately monitors laser output power and temperature.
- Front panel VFD displays system parameters
- 19" 1U standard rack with RS485 and RS232 ports for remote monitoring and control
- SNMP network management optional
- RoHS compatible





## FT-FTX-6-SCAPC-V2 | FT-FTX-10-SCAPC-V2

Specifications		
Optical Power	6dB	10dB
Optical Link Path Loss	7dB	11dB
Optical Wavelength	1310 ± 20nm	
Fiber Type	Single Mode	
Type of Laser	Cooled DFB laser	
Optical Modulation Mode	Direct Modulation	
Optical Connector Type	SC/APC	
Frequency Range	45 - 1000MHz	
RF Input Level	15 - 25 dBmV	
Flatness In Band	±0.75 dB	
RF Input Impedance	75 Ω	
Input Reflection Loss	≥16 dB (47 - 1002)MHz	
C/CTB	≥67 dB	
C/CSO	≥62 dB	
C/N	≥51 dB	
AGC Control Range	0 - 15 dB	
MGC Control Range	0 - 15 dB	
Power Voltage	AC 100V - 240V (50/60 Hz)	
Power Consumption	10 W	
Operation Temperature	32 - 122°F (0 - 50°C)	
Store Temperature	-40 - 185°F (-40 - 85°C)	
Relative Humidity	Max 95% no condensation	
Dimension (L x W x H)	19 x 15 x 1.73" (483 x 381 x 44 mm)	
Weight	11.02 lbs. (5 Kg)	
Warranty	2 Year Warranty	

Test condition: Input 77 channels NTSC signal to the optical transmitter and measure the following signals at the optical receiver: C/CTB, C/CSO and C/N in conditions of -1dBm optical input (10km fiber + optical attenuator) and 36 dBmV RF output.