Trivia T1000 - RF Optical Transmiter

Summary:
It is important equipment to set up CATV HFC networks, and primarily used for TV video signal, digital TV signal, telephone voice signal and data (or compressed data) signal long-distance fiber transmission. The product use import high performance DFB laser transmitter as light source, RF drive adopts RF power digital automatic process technique and advanced RF pre-distortion circuit developed by our company and built-in perfect microprocessor automatic monitor system insure the excellent function of the product.

Characteristic:

* Dual Module RF drive, high efficiency laser pre-distortion adjustment.
* Full-automatically Optic Modulation Intensity (OMI) l,AGC&MGC control.
  AGC status, input range is 78dBuV~88dBuV, system index is the best
  MGC status, input range can be adjusted 75dBuV~90dBuV by the ATT on front panel
* Front panel has 20 grade OMI status display (Modulation Depth), intuitively adjust and display OMI normal ,low or high
  AGC status, RF is fixed ,OMI is always at NOM status
  MGC status, OMI can be at NOM status by adjusting ATT
* Dual power supply inside backup. Full-automatically hot switch
  One is working, the other as cool backup (suggested)
  Both are working at the same time, one as hot backup. If one is damaged, switch to the other full- automatically. Switch time ≤10us.
* Full- automatically control of casing temperature, ensure long life of the laser (laser from ORTEL is used)
  Casing temperature is monitored and controlled by micro-processor. Display screen shows the actual operation temperature in time
  When casing temperature≥45℃, Two fans at the back panel will open automatically to cool it by constraint
  When casing temperature≤35℃, the transmitter will turn down automatically to ensure longer life of the fans.
* Dual RF input port
* Time locked function