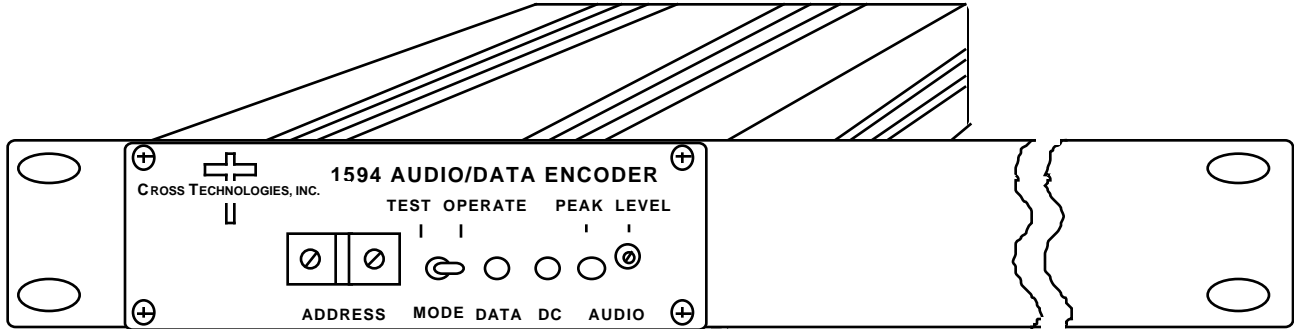


## 1594-01 AUDIO/DATA ENCODER

The 1594-01 takes a serial data stream which provides real time indication of zone addresses to which the audio is intended to go, modulates this on an AFSK data carrier and combines this data carrier with the audio. An internal processor provides a test signal which can be used to select any one or all zones for set up and test purposes. This unit works in conjunction with an external automated paging computer to provide an intercom paging system over a cable system. Spectrum efficient, this system requires only one analog, narrowband channel on the CATV system. The output is a composite audio signal which can be inserted to an FM CATV modulator such as a Norsat FM60. A wall power supply provides DC power to the 1594-01. The unit is housed in an aluminum extrusion chassis and mounted on an 1 3/4", rack panel.



### 1594-01 AUDIO/DATA ENCODER FRONT PANEL

#### 1594-01 Technical Specifications

**Data Characteristics**

Input level RS232C  
 Data rate 9.6 kB/s, Async  
 AFSK Frequencies 22.5, 29.5 kHz

**Audio Characteristics**

Input Impedance 600 or 50K selectable  
 Input Level (PPL) 0 to +8 dBm  
 Frequency response 50 Hz to 12 kHz, ± 1 dB  
 Connector Terminal Block

**Composite Characteristics**

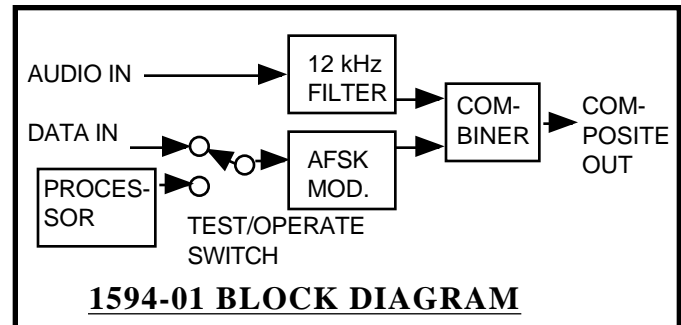
Output Impedance 100 Ω, unbalanced  
 Peak deviations (PPL) Audio, 75 kHz; Data, 25 kHz  
 Connector Terminal Block or BNC

**Controls and Indicators**

Test/Operate Switch Switches between external (Operate) and internal (Test) data  
 Audio Level Adjusts audio level  
 DATA LED Green LED lights if data is present  
 PEAK LED Yellow LED lights when audio is at deviation peak  
 POWER Green LED lights when power is on

**Other**

Mechanical 19 inch standard chassis 1.75" high X 12.5" deep  
 Power 115 ± 10 VAC, 60 Hz, 10 watts, wall power supply



\*Specifications subject to change without notice

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