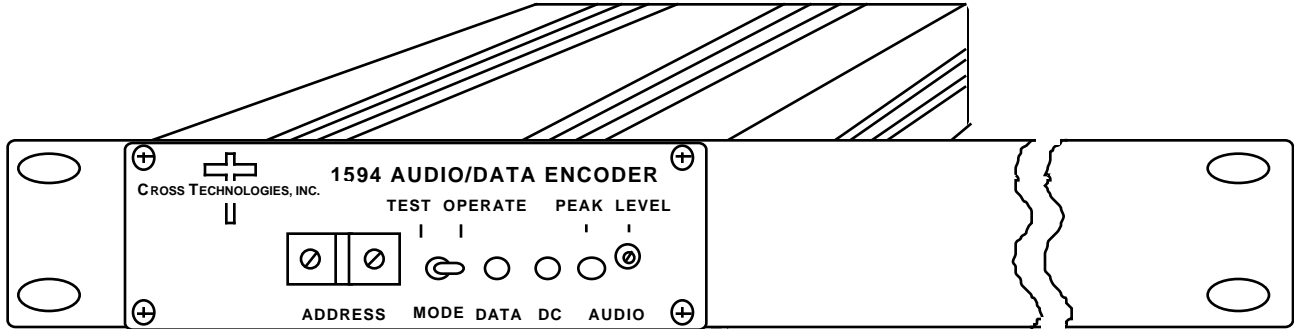


## 1594-01 AUDIO/DATA ENCODER

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

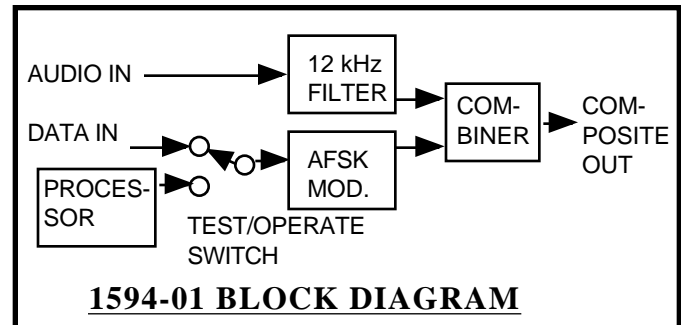
**Controls and Indicators**

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



**CROSS TECHNOLOGIES, INC.**

6170 Shiloh Road  
Alpharetta, Ga. 30005

770-886-8005, FAX 770-886-7964

*Visit our web site at* [www.crosstechnologies.com](http://www.crosstechnologies.com)