

# HE Series

## Micro Modulator Stereo Encoder - MISE



### ○ Features & Benefits

- Modular Design Minimizes Rack Space
- 24 dB Stereo Separation with low Distortion
- Build-in Test Tone for Audio Level Calibration with Modulator
- Pilot Lock & Power LED Indicator

The Blonder Tongue MISE Stereo Encoder provides an economical solution for service providers wanting to deliver programs in stereo. The MISE is intended for use with Blonder Tongue's MIRC-12 rack chassis' with its associated power supply. The modular design provides an efficient compact means to accommodate 6 encoders coupled with 6 modulators or 12 encoders in 2RU's of precious rack space. The MISE accepts baseband left and right audio inputs from sources such as a satellite receiver, demodulator, VCR or DVD and generates a composite BTSC stereo signal. The composite signal in turn is applied to a compatible modular audio/visual modulator such as a MICM-45B or AMCM-806. It is also compatible with any modulator that has a pre-emphasis defeat feature. The MISE features 24 dB stereo separation, a pilot lock indicator and a test tone generator to meet any demanding stereo insertion need.

### ○ Specifications

#### Audio Input

Input Impedance:  
20K Ohms (unbalanced)  
40K Ohms (balanced)  
Input Level: 250mVrms to 2.5Vrms

#### Video Input

Input Impedance: 10K Ohms  
Input Level Range: 0.5 Vp-p to 2.0 Vp-p

#### Composite Output

Output Impedance: 100 Ohms  
Output Level: 1.1 Vp-p at 100% Modulation

#### Stereo Performance

Stereo Separation: 24 dB Typical, 20dB Min.  
Harmonic Distortion: 0.25%  
S/N Ratio: 65 dB  
Frequency Response:  $\pm 1$ dB from 50Hz to 12KHz

#### Test Tone

Frequency: 10.396 KHz  $\pm$  50Hz  
Amplitude: 0.5 Vp-p  $\pm$  10%

#### General

DC Power Input: +12V  $\pm$  5%  
Operating Temp. Range: 0° to +50° C  
Size, W x H x D:  
1.15 x 3.5 x 7.5 in  
29 x 89 x 191 mm  
Weight: .73lbs., .33 Kg

### ○ Ordering Information

Model	Stock No.	Description
MISE	7725B	HE-12 & HE-4 Series Micro Stereo Encoder