

## Video Sync Separator 315

The Model 315 Video Sync Separator derives composite sync, vertical sync, field ID, back porch, and horizontal sync signals from a composite video input. The Sync Separator is a cost-effective alternative to a genlockable sync generator. It can be used to synchronize video equipment requiring -4 volt or +5 volt synchronization pulses to other video equipment not providing such pulses.

Four versions of the Model 315 are available. The 315E provides negative-going 0 to -4 Volt vertical, horizontal, and composite sync pulses through BNC connectors. The 315T provides positive-going 0 to +5 Volt composite sync, vertical, horizontal, field ID, and back porch pulses through a female DB-9 connector. The 315TE provides both sets of pulses. The 315TN provides the same pulses as the 315T but negative-going. The T, TE, and TN models also provide a sync-level output. This output can be used to govern a gain control based on sync amplitude.

The loop-through input with two connectors allows the Model 315 to be connected in between a video source and destination. For instance, a camera can be connected to one of the Model 315's input connectors and a monitor to the other. In this way, the video image can be observed directly as it comes from the camera via the 315's loop-through input, while other video equipment is genlocked to the camera by means of the 315.

Power input requirements are 9 VAC at about 200 mA. An AC adapter is included. The adapter is UL listed for safety and isolates the Model 315 from ground in order to avoid interference inducing groundloops.

### Specifications

<b>Model:</b>	315
<b>Size:</b>	4.38"W x 3.25"D x 1.5"H excluding connectors
<b>Weight:</b>	11 Oz
<b>Power:</b>	9VAC, <200 mA, 120 VAC Adapter (UL and CSA Listed) included
<b>Mounting:</b>	Table top, free standing
<b>Input Signal:</b>	NTSC or RS-170, 1 Vp-p, Hi-Z loop-through.
<b>Output Signals:</b>	315E: 0 to -4V: Vertical, Horizontal, Composite Sync 315TE: 0 to -4V: Vertical, Horizontal, Composite Sync 0 to +5 V: Vertical, Horizontal, Composite Sync, Field ID, Back Porch, No Signal, Level 315T: 0 to +5 V: Vertical, Horizontal, Composite Sync, Field ID, Back Porch, No Signal, Level 315TN: +5 to 0 V: Vertical, Horizontal, Composite Sync, Field ID, Back Porch, No Signal, Level
<b>Indicators:</b>	Power (LED)
<b>Connectors:</b>	Video Input: BNC loop-through -4 Volt EIA type pulses: BNC +5 Volt TTL pulses DB-9 female Power: 0.125" mini-phone jack

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



315TE

