

ATS-20E

AUTOMATIC TRANSMITTER SWITCHER



The ATS-20E transmitter switcher automatically switches between the main STL transmitter and a hot-standby transmitter based on an expected output level. The ATS-20E works with the STL-10, STL-15C, STL-20C, and STL-20M STL transmitters. An alarm light notifies the operator when transmitter switching has occurred. External alarms up to 1 amp at 12 VDC may be operated when switching occurs. When switching occurs, the ALARM INDICATOR will light and the ALARM RELAY will pull in. The units operate from 12 VDC furnished by both transmitters.

ATS-20E Specifications

Dimensions:	1-3/4" H x 19" W x 13" D.
Boxed Dimensions:	22" x 19" x 9".
Weight:	Net 4 lbs. Domestic Packed 7 lbs.

ARS-15A

AUTOMATIC RECEIVER SWITCHER



The ARS-15A switches all functions to a backup receiver upon loss of the signal to the main receiver. The ARS-15A works with the R-10, R-15C, SR-20C and SR-20M STL receivers. The standby receiver may be selected by using a latching relay tied to the station's remote control. LEDs on the front panel indicate which receiver is in use. The standby receiver can be selected by pressing the test switch. The ARS-15A provides two separate fail-safe outputs both normally closed, open contacts are available. Power requirements, 12 VDC supplied by each receiver.

ARS-15A Specifications

Dimensions:	1 3/4" H x 19" W x 13" D.
Boxed Dimensions:	9" H x 22" W x 19" D.
Weight:	Net 3 lbs. Domestic Packed 6 lbs.

***AUDIO BANDWIDTHS (must specify with order):** Systems using a subcarrier frequency of 39 or 41 kHz are available with audio bandwidths of 3 or 5 kHz. Systems using a subcarrier frequency of 67, 92, 110, 152 and 185 kHz are available with audio bandwidths of 3, 5 or 7.5 kHz. Pre-emphasis – 0, 75, 150, 225µsec.

CD-15

COMPOSITE DEMODULATOR



CD-15 Specifications

Input Levels:	300mv rms.	Dimensions:	1.75" H x 19" W x 12" D.
Channel Separation:	45dB.	Boxed Dimensions:	9" H x 22" W x 19" D.
Channel Balance:	0.3dB.	Weight:	Net 5 lbs. Domestic Packed 8 lbs.
Distortion:	0.4%.		
S/R Ratio:	55dB.		
Input/Output:	BNC or barrier strip.		

SCG-10*

SUBCARRIER GENERATOR



SCG-10 Specifications

Subcarrier Frequencies Available:	39-185 kHz.
FM Deviation:	6 kHz.
Output Level:	0.3 - 7.0 Vpp.
Audio Bandwidth:	3, 5, or 7.5 kHz. Selected when ordered.
Pre-Emphasis:	User selectable. 0, 75, 150, 225µsec.
THD + Noise:	< 0.6 %.
S/N Ratio:	68dB.

*Unless specified when ordered, all subcarrier units are set at the factory for 5 kHz audio bandwidth and 225µsec. De-emphasis.

SCD-10*

SUBCARRIER DEMODULATOR



SCD-10 Specifications

Subcarrier Input Level:	0.3 to 1.0 Vrms.
Subcarrier Frequencies Available:	39-185 kHz.
Audio Bandwidth:	3, 5, or 7.5 kHz. Selected when ordered.
Pre-Emphasis:	User selectable. 0, 75, 150, 225µsec.
THD + Noise:	< 0.6%.
S/N Ratio:	68dB.

*Unless specified when ordered, all subcarrier units are set at the factory for 5 kHz audio bandwidth and 225µsec. pre-emphasis.