

## Model LSVT1 Line Sharing Verification Test Set

The Model LSVT1 Line Sharing Verification Test Set is intended to verify the DSL portion of a Line Sharing circuit in the Central Office environment.

The test set consists of a transmitter, detector, and two test cords. The battery-powered transmitter is placed in the circuit at the Main Distributing Frame (in lieu of the protector unit). While the transmitter is connected, the voice circuit is uninterrupted. The transmitter transmits a 100-kHz carrier, with an amplitude modulated interrupted 1-kHz tone, toward the DSLAM. The detector is a passive unit, which is used in conjunction with any technician's "butt set." The detector unit demodulates the interrupted tone so that it can be heard on the technician's "butt set." The detector may be bridged across the line at any point, such as the CLEC frame block or the DSL port on the splitter block, to detect the presence of the high-frequency carrier. Note that the 100-kHz carrier, like the DSL signal itself, will be attenuated by the splitter and will therefore not be detectable on the "OE" port of the splitter. The test set is supplied with two three-foot test cords: one with a RJ45 to 5-pin module (for interconnection at the MDF), and one with RJ45 to 2 test leads with alligator clips.

### Technical Specifications:

Signal format:	100 kHz amplitude modulated by 1 kHz
Output level:	9 dbm +/- 2 db
Modulation:	75% +/- 10%
Modulation duty cycle:	50% +/- 10%
Modulation interrupt:	1/4 sec. +/- 100 mSec.
Voice band suppression:	>60 db
100 kHz suppression:	>60 db
Longitudinal balance:	>60 db
Total loop resistance:	<30 ohms

#### Inside to outside attenuation:

@1000 Hz:	<1 db
@3000 Hz:	<2 db
@100 kHz:	>63 db

Size:	6.2" X 9.2" X 1.5"
Weight:	15 ounces
Battery	
Type:	NEDA 9 volt
Life:	7 hours minimum

Power timeout:	30 minutes
----------------	------------