

## VLR Recorder Accessories

### Telephone Supervisory Adapters

With a **TSA** adapter and your VLR recorder you will record all conversations on one telephone instrument. The TSA connects to the handset or headset jack on your telephone.



#### TSA-3 Handset Adapter

The TSA-3 provides an inexpensive way to connect your logging recorder so that it can monitor both sides of all conversations which take place on the handset or headset of a telephone. Only conversations which take place on that one telephone instrument will be recorded. It can be used on any telephone that has a standard four slot modular handset jack, single line or multi-line, analog or digital. It does not affect the operation of your phone and can be easily self-installed between the handset jack and handset cord.



#### TSA-3S Telephone Supervisory Adapter with Switch

The TSA-3S provides all of the functions and features of the TSA-3 with the addition of an ON/OFF switch which is used to disconnect the telephone audio from the recorder when you do not want your conversation recorded.



#### MHP-735 Deluxe Headphones

For private monitoring during record or playback, one or two headphones can be used with each VLR recorder and up to four headphones can be used with each VP player. Speaker-like sound elements provide a wide range of sound reproduction. Large comfortable earmuffs are washable.

Contact your Omnicron representative if you have questions or for assistance in selecting the proper items for your voice logging recorder application.

Specifications subject to change without notice.

### Telephone Line Couplers

Omnicon **LIC** couplers are used to connect VLR recorders to telephone lines and two-way radio remote circuits which require a transformer isolated balanced-input circuit.



#### LIC-390 Phone Line Coupler with DC Sensing

The LIC-390 isolation coupler is used to connect your VLR recorder to a telephone line. It permits you to record both sides of all incoming and outgoing phone conversations. It has the isolation and protection circuits that are required for phone line recording. It also has a precise voltage sensing circuit that prevents your recorder's voice activation circuit from being activated between conversations.

#### LIC-100 Phone Line and Two-Way Radio Circuit Coupler

The LIC-100 provides all of the features of the LIC-390 except for the voltage sensing mute circuit. It can be used to connect your VLR recorder to a remote controlled two-way radio circuit (DC or tone), or to a telephone circuit when DC sensing is not required.



#### AUX-6S Auxiliary Audio Source Direct Input Cable

The AUX-6S auxiliary input cable is used to connect your VLR Voice Logging Recorder to audio sources which do not require isolation (two-way radios, scanners, other recorders, etc.). The 6' cable has a 3.5mm mini-phone plug on one end to match the AUX jack on the VLR recorder and spade lug terminals on the other end for connection to your audio source. It is also available to match specific requirements with many different styles of connectors and comes in lengths to match your exact needs.



#### 90624 Bulk Tape Eraser

The bulk tape eraser uses powerful magnets to erase recorded cassette tapes to a level 66dB below the original recording. The 90624 is the fastest possible way to remove previously recorded information. Cassette tapes are erased by simply sliding them through a slot in the eraser.

### Room Monitoring Microphone

With the **PZ-2LA** microphone and your VLR recorder, you will have a quality recording system to document meetings without the complexity of old-fashioned technology.



#### PZ-2LA Pressure Zone Microphone

The PZ-2LA is a professional PZM<sup>®</sup> microphone manufactured by Crown International. It provides high quality audio pick-up for meeting and conference recording. Pressure zone recording is a dramatic breakthrough which eliminates the hollow sound associated with standard microphones when the person speaking is not close to the microphone.

The PZM design uses sound waves which reinforce themselves near a flat surface to minimize reflected sound pick-up and achieve amazing sound reproduction.

Designed for room monitoring, it looks like a wall switch, not a microphone. It can be placed on a table, or mounted in a ceiling or wall using a standard electrical outlet box. A low noise amplifier is built into the microphone housing to provide a high level output that permits long cable runs. Standard 4 conductor telephone cable is used to connect the microphone to your recorder. It comes with 18' of microphone-to-recorder cable, a 25' extension cable, and an AC power adapter.

Frequency Response: 80-20,000 Hz, S/N Ratio: 68 dB, Polar Pattern: Hemispherical, Output Level: 1.4 V/Pa (+3 dB re 1 V/Pa), Maximum SPL: 100dB 3% THD, Dimensions: 2" x 3" x 4 3/4", 6 oz. without cable. Microphone and cable are ivory color.

PZM<sup>®</sup> is a registered trademark of Crown International



#### Cassette Tape MLC-120 and MLC-90

Omnicon professional grade MLC-120 and MLC-90 Magnetic Leader Cassette Tapes permit you to start recording immediately, with no waiting, or loss, at the beginning or end of the cassette.

You cannot record on the non-magnetic leader that is at the beginning and end of consumer and music grade cassette tapes.

RECORDING TIME	VLR-1 1-7/8 I.P.S.	VLR-4 15/32 I.P.S.	VLR-8 15/64 I.P.S.
MLC-120 per side	1 hour	4 hours	8 hours
MLC-120 both sides	2 hours	8 hours	16 hours
MLC-90 per side	45 minutes	3 hours	6 hours
MLC-90 both sides	90 minutes	6 hours	12 hours

## Professional Single Channel Voice Logging Recorders with Optional Time Track and Long Play Recording

### Automatically Record Your Important Conversations

- Up to 16 hours of talk time per cassette
- Quick review of last recorded message
- Fail-safe alarms prevent operator error



*Compact, economical recorders and accessories that meet professional audio recording needs*



**omnicron**

This brochure covers

Recorders:

VLR-1 & VLR-1CT

VLR-4 & VLR-4CT

VLR-8 & VLR-8CT

Tape Players:

VP-1 & VP-1CT

VP-4 & VP-4CT

VP-8 & VP-8CT

Time Clock:

TCC-14

and related accessories

The sensible and affordable way to

- record telephone and two-way radio calls
- verify all details of your conversations on tape
- record emergency dispatch center calls
- supervise and monitor sales and technical support staff
- record meetings and conferences using optional pressure zone microphone

# VLR Series of Voice Logging Recorders

OMNICRON VLR recorders are professional single channel voice loggers designed to provide you with documentation of your important telephone conversations, two-way radio messages, or dictation. They have features which allow for their use in a wide range of applications.

Built-in voice activation circuitry expands the recording time by automatically stopping the recorder between conversations. The recorders can be ordered for either standard speed or slow speed operation. The VLR-1 recorders run at the standard cassette speed allowing you to record and play back tapes which are compatible with recorders that do not have slow speed capability.

Slow speed drive circuits in the VLR-4 and VLR-8 recorders expand the recording time even further to provide 8 or 16 hours of talk time on a single cassette tape. The VLR-4 provides four times the recording and playback time of the VLR-1. It packs 8 hours of conversation on each MLC-120 cassette tape.

## FEATURES:

**ALARM** – Beeps when the cassette needs to be changed, or if the recorder is turned off either accidentally or by the built-in all mode motion sensing circuit.

**MONITOR WHILE RECORDING** – Lets you listen to conversations while they are being recorded through the built-in speaker, either of two 1/4" headphone jacks, or the 1/4" external speaker jack (8 ohm).

**CUE AND REVIEW** – For rapidly finding and repeating recorded messages.

**AUTOMATIC RECORD LEVEL CONTROL** – Prevents overload on strong signals. Manually adjustable record level, activate sensitivity, and turn-off delay permit you to adjust the recorder's voice activation circuit to match your application.

**AUTOMATIC END-OF-TAPE SHUT-OFF** – In play, record, fast-forward, and rewind.

The extra slow speed VLR-8 runs at 1/8 speed for 16 hours per tape with little loss in voice quality (8 hours per side with an MLC-120 cassette tape).

VLR recorders with the CT Clock Track option (VLR-1CT, VLR-4CT, and VLR-8CT) are designed for use with the Omnicron TCC-14 Talking Clock/Calendar. They have a second track for recording the verbal time and date announcements provided by the clock. When playing back the recorded conversations, simply switch to the Time Track and you will know exactly when that moment of conversation was recorded. One Talking Clock can provide time and date announcements for 50 recorders.

A standard or custom audio adapter, coupler, or cable should be ordered with the recorder to match it to your audio source.

Contact your Omnicron representative for assistance in selecting the equipment best suited to your application.

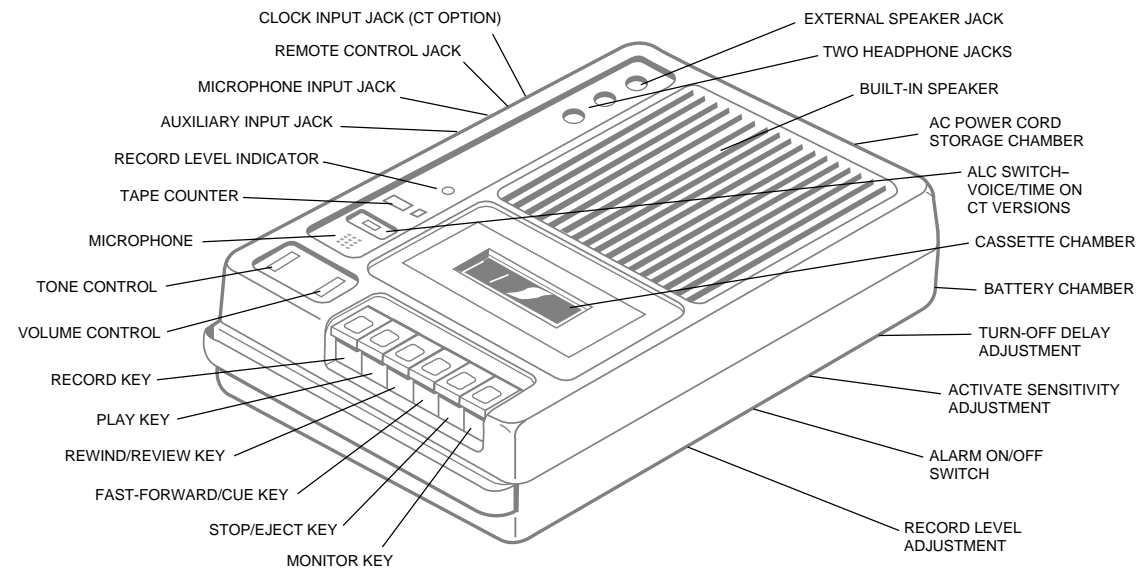
**AUTOMATIC BATTERY CHARGING** – For optional rechargeable batteries, unit automatically switches to battery power if external AC power is lost.

**MONITOR & ALARM ON/OFF SWITCHES**

**INPUT / OUTPUT JACKS** – Microphone, remote on/off, auxiliary audio input, remote speaker, two headphone jacks, and Talking Time Clock (with CT option).

**ROTARY VOLUME AND TONE CONTROLS**

**DIGITAL INDEX COUNTER WITH RESET** – Conforms to 2X ANSI standards.



## SPECIFICATIONS:

**POWER:** 120 VAC 50/60 Hz, 10 Watts, 6 "C" cell batteries, or optional RBC-6NM rechargeable battery pack.

**SIZE:** 7-3/4" W x 11-1/2" D x 2-3/4" H, 4-1/2 lbs.

**INPUTS:** Microphone, 2K ohms, -70 dB; Auxiliary, 200K ohms, -20 dB; Clock, 600 ohms, -10 dB.

**AUDIO OUTPUT:** 1 Watt

**SIGNAL TO NOISE RATIO:** VLR-1 is 50 dB, VLR-4 is 42 dB, VLR-8 is 34 dB.

**TAPE SPEED:** VLR-1 is 1-7/8 I.P.S., VLR-4 is 15/32 I.P.S., VLR-8 is 15/64 I.P.S.

**FREQUENCY RESPONSE:** VLR-1 is 125 Hz to 10 KHz, VLR-4 is 125 Hz to 6 KHz, VLR-8 is 125 Hz to 3 KHz.

**TAPE SIZE:** Standard Compact Audio Cassette.

**RECORD SYSTEM:** Half Track (1/4 track with CT option), AC bias.

**ERASE SYSTEM:** AC

**WARRANTY:** Limited, 1 year parts and labor.

**MAXIMUM RECORDING TIME:**

VLR-1 records 1 hour per side (MLC-120 tape) at 1-7/8 I.P.S.  
VLR-4 records 4 hours per side (MLC-120 tape) at 15/32 I.P.S.  
VLR-8 records 8 hours per side (MLC-120 tape) at 15/64 I.P.S.

**BUILT-IN SPEAKER:** 5", 8 ohm, 5 Watts.

Each VLR recorder comes with an MLC-120 cassette tape, AC power cord, owner's manual and a limited 1 year warranty. Recorders with the CT option are also supplied with a cable for connection to the optional TCC-14 time/date source. You will also need an adapter, coupler, or cable to connect the recorder to your audio source - order as a separate item to match your specific requirements.

# Cassette Tape Player



The VP series of cassette tape players is designed to play back the recordings made on the VLR series of OMNICRON professional Voice Logging Recorders. It provides an inexpensive means of playing tapes without tying up the main recorder/player. Since these players do not have the ability to make recordings, accidental erasure is not possible.

VP cassette tape players are available with or without the second CT track and in all three VLR speeds. See the listing below to determine which VP unit is compatible with your VLR recorder.

## FEATURES:

Cue, Review, and Pause

Full Range 5" Built-in Speaker

Four 1/4" Headphone Jacks

Auto-Stop / Auto-Shutoff Mechanism

Attached Three Wire AC Power Cord

Power Cord Storage Compartment

120VAC 10W or 6-C Cell Battery Operation

2X Digital Index Counter with Reset

Voice / Time Switch - with CT Option

## SPECIFICATIONS:

**DIMENSIONS** - 7 3/4" x 11 1/2" x 2 3/4", 4 lbs.

**FREQUENCY RESPONSE** - 125Hz to 8KHz

**SIGNAL TO NOISE** - better than 40dB

**POWER OUTPUT** - 1 Watt @ 5% T.H.D.

**VP-1** for use with cassette tapes recorded in the VLR-1 standard speed recorder.

**VP-1CT** for use with cassette tapes recorded in the VLR-1CT standard speed recorder.

**VP-4** for use with cassette tapes recorded in the VLR-4 1/4 speed recorder.

**VP-4CT** for use with cassette tapes recorded in the VLR-4CT 1/4 speed recorder.

**VP-8** for use with cassette tapes recorded in the VLR-8 1/8 speed recorder.

**VP-8CT** for use with cassette tapes recorded in the VLR-8CT 1/8 speed recorder.

# Talking Clock/Calendar Time Logging System

## TIME LOGGING...THE SENSIBLE WAY

- Natural sounding voice
- User selectable for 12 or 24 hour format, seconds, month and day, year, etc.



**Audible time source for your Omnicron VLR-1CT, VLR-4CT, and VLR-8CT recorders.**

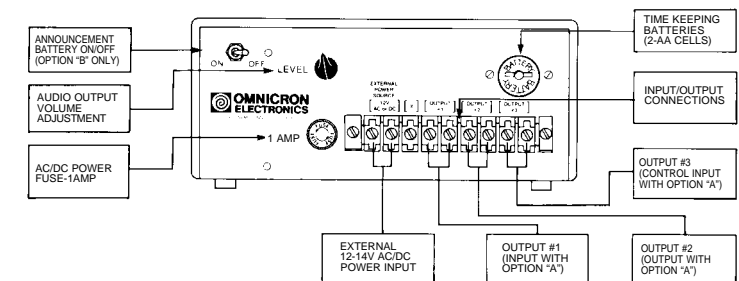
The OMNICRON TCC-14 Talking Clock/Calendar provides a practical way to log the time of day and date on magnetic tape. When used with OMNICRON VLR recorders, you will have documentation of exactly when each conversation was recorded. The recorded announcements of the time and date not only verify when messages are received, they permit you to easily locate previously recorded messages.

## MULTIPLE RECORDER SYSTEMS:

If your recorders have a separate channel dedicated to time documentation, such as the OMNICRON VLR recorders with the CT (Clock Track) option, only one TCC-14 set to continuously repeat the time would be required for up to 50 recorders in the same location.

## INSTALLATION:

With OMNICRON VLR-1CT, VLR-4CT, or VLR-8CT recorders, you simply connect the cable supplied with your recorder to the clock and plug it into the "CLOCK" jack on the recorder. If the clock is to be connected to other makes of logging recorders or with a telephone answering machine, installation and any modifications required would be arranged through the supplier of your ancillary equipment.



## SPECIFICATIONS:

**SIZE:** 7 3/4" W x 3 1/2" H x 8 1/4" D, 6 lbs.

**ACCURACY:** Within ± 15 seconds per month @ 25°C.

**OPERATING TEMPERATURE:** 0°C to 40°C.

**LED:** Clock power status indicator light.

**POWER:** 110 VAC 50/60 Hz, or 12 VAC/DC, 6 Watts.

**AUDIO OUTPUT:** 250mW.

**WARRANTY:** Limited, 1 year parts and labor.