

Data Sheet

# VIAMI CT-X

## Fully Agile Digital Leakage Channel Tagger

Enjoy full-channel lineup flexibility to accommodate digital plant expansion while greatly enhancing leak detection speed and accuracy with the VIAMI CT-X channel tagger

### Next-Gen Digital Tagging

Used as a system with the VIAMI Seeker X leakage detectors, the CT-X can dramatically increase leak detection sensitivity while ignoring false leaks.

With the ability to generate up to 4 simultaneous tagged carriers to fit anywhere in the channel lineup, the CT-X provides unprecedented leakage detection coverage.

The CT-X generates a revolutionary new digital chirp tag used in conjunction with the Seeker X detector to find leaks that other systems miss. The improved leakage sensitivity and positive leak detection allows more thorough and accurate coverage of your plant in driveout testing and much more efficient find and fix processes for techs in the field.

The CT-X also generates Seeker D-compatible dual-CW tags which allow the CT-X to work with the Seeker X, Seeker D, and Seeker D Lite detectors. This allows operators to utilize the new Seeker X and existing detectors using a single CT-X transmitter.

When several CATV systems operate in the same area, it is often difficult to determine which system is the source of a detected leak. The CT-X is designed to deal with the problem of leakage identification in overbuilt situations.

### Key Features

- Find more leaks faster and eliminate false detects with revolutionary new digital chirp tag
- Enable complete channel lineup flexibility from 130–1220 MHz with full-band frequency agility
- Provide full spectrum coverage with up to 4 tags in 1RU chassis
- Non-interfering tag technology does not impact services
- Integrated web interface enables remote setup and simplified administration



## Easy to Install

Whether using the push-button front panel or web interface, the CT-X is very simple and quick to install where RF signals reside in the headend. The CT-X is simply installed in a rack location near the combiner and requires only 1RU of rack space.

Includes the Following	Part Number
CT-X with 120 to 264 VAC Power Supply and AC Power Cable	TRI-LKG-CT-X
CT-X with -48V Power Supply and Screw Terminal Connector	TRI-LKG-CT-X-48VDC

## General Specifications

Output Impedance	75 $\Omega$ (nominal)
Controls	Front panel select and enter buttons and HTML web interface
Display	Two-line LCD, 16 characters per line
Communication	10/100/1000 Base-T Ethernet, SFP/SFP+ interface
Power	AC: 90 to 250 VAC, 47-60 Hz, 0.75 A DC: -40 to -59 VDC, 1.7 A
Size	1RU (1.75") rack enclosure
Operating Temperature	32 to 104° F (0 to 40° C)
Storage Temperature	-4 to 140° F (-20 to 60° C)

CT-X Operation Mode	
Compatibility	Seeker X, Seeker D, and Seeker D Lite leakage detectors
Carrier Types	Chirp and dual CW digital leakage carriers
Tag Signatures	Chirp carrier: 4 unique signatures Dual CW carrier: 8 unique signatures
Carrier Frequency	130–1220 MHz
Carrier Output Level	-10.00 to 35.00 dBmV, $\pm 0.5$ dB
Spurious Outputs	Typically -65 dBc below digital carrier <sup>1</sup>
Output Return Loss	> 12 dB from 50 to 1220 MHz

<sup>1</sup> Assuming typical setting of -30 dB below digital carrier power