

# DCODE® TC-1 TIME CODE READER



The Denecke Dcode® TC-1 Time Code Reader opens the world of time code to film editing at a fraction of the cost of other systems. Using time coded film dailies, editors working directly with film can use the TC-1 to assist them in syncing, making high speed searches, logging, and keeping accurate time-date records of the actual production.

The TC-1 reads SMPTE or EBU time code from VTRs, videocassette recorders, film editing machines and film synchronizers from 1/50th to 50 times speed in both forward and reverse. For transferring 1/4" tape to mag film, it cleans up (reshapes) time code while generating 60Hz sync pulse from either 24 or 30fps time code. Potential users include film and television production companies, transfer houses, and music studios.

## FEATURES

**READS SMPTE/EBU TIME CODE** from 1/50th to 50x speed in both forward and reverse.

**DISPLAYS** time code in hours, minutes, seconds, and frames. Color flag and drop frame are also included. Future flags are displayed in the unused decimal points. User Bits are displayed in full hexadecimal in the "U" position.

**HOLD** Instantly freezes the display when pressed and has an LED above "H" when "HOLD" is on.

**SIGNAL STATUS** is displayed above "S." When the LED is lit, it indicates a "no signal" condition.

**RESHAPED CODE FOR COPYING** is accessible through the output connector in the rear.

**FILM RESOLVING** 60Hz from both 24 and 30fps time code is available from the internal interface connector and is set by an internal switch accessible through the bottom hole.

**COMPUTER INTERFACE:** Optional parallel port available.

## SPECIFICATIONS

**POWER** 7-24 volts, AC or DC at 180 Ma

**INPUT:** -35 to +35dB at 50K ohm; RCA jack.

**OUTPUT:** 1 volt square wave at 2K ohm; RCA jack.

**SYNC:** 60Hz square wave at 5 volts; 16-pin DIP connector.

**DISPLAY:** 7-segment .3" LED. Optional .4" LED.

**SIZE:** 1.6" x 6" x 5"

## INTERFACE CONNECTOR

| Function       | Pin | Pin | Function        | I/O |
|----------------|-----|-----|-----------------|-----|
| 60Hz OUT       | 1   | 16  | +7 to 18DVC     | I/O |
| T/C Clock OUT  | 2   | 15  | Display Clock   | I/O |
| Load Pulse OUT | 3   | 14  | Display Reset   | IN  |
| F/R OUT        | 4   | 13  | Display Inhibit | IN  |
| D OUT          | 5   | 12  | Signal Status   | OUT |
| B OUT          | 6   | 11  | T/C -U Status   | IN  |
| HOLD I/O       | 7   | 10  | C               | OUT |
| GROUND         | 8   | 9   | A               | OUT |

**DENECKE, INC.**

25030 Avenue Stanford, Suite 240 - Valencia, CA 91355 - ☎(661)607-0206 - www.denecke.com - email: Info@denecke.com