

# DCODE<sup>®</sup> TS-3



- Light weight – Fits in a frontbox.
- Flat Back with a removable plate for camera logs.
- Battery voltage and low battery warning readout.
- Optional Electro-Luminescent (EL) backlit Display behind scene, take, and production
- Sliding access door to controls and quick load battery pack.
- Sync error warning of different frame rates.
- Auto set to incoming frame rates.
- Blinking LED jam indicator.
- Scroll back of the last 16 time code claps for logging.
- Choice of Black & White or Color clapper sticks.

Reads and displays SMPTE/EBU Time Code. Internally mounted SB-2 Syncbox Time Code Generator. Jams to all standard frame rates, including 30 df. User bits jam automatically when the time is set. The high stability TCXO (Temperature Compensated Crystal Oscillator) ensures low drift and is standard on the TS-3.

Optional EL backlit display particularly useful during night shoots and on dimly lit stages. Your choice of black and white or color clapper sticks.



## DENECKE, INC.

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The TS-3 is the latest edition to Denecke, Inc.'s Dcode Time Code Product Line. New functions and options are:

- Auto Set to Jam to the same frame rate as the incoming time code.
- Battery voltage readout at turn on.
- Low and dead battery warning.
- EL back light to light up scene and production information.
- TCXO is standard (Temperature Compensated Crystal Oscillator).
- Sync error display if there is a mismatch in time codes.
- Mode selection in non-volatile memory (needs no backup power).
- Quick change battery pack using 6 standard "AA" batteries.
- Settable "time out" mode for open sticks to conserve batteries.
- A flat back with a removable plate for camera logs.
- Scroll back display of the last 16 claps for logging.
- EL over-voltage protection: The EL Backlight turns off if external power is 12.5 volts or higher.

The mode switches are concealed behind the sliding battery door on the side of the slate

To set modes turn power off and place switch in position of mode A(7) or B(6). Turn power back on and the selected mode will display. Use the rotary switch to cycle through available functions. The display shows the function and status. To select the desired mode put the run/read switch in run (on) or read (off). Push the button to enable or disable the chosen function. Use Mode B(6) to set the value of the selected function. Pushing the button will display the desired value. When all of the desired modes are set go to "Return"(0) and push the button. The display will run.

[NOTE: the letter "M" is written as "n" on the 7 segment display.]

Mode "A" selects the mode while mode "B" selects the value of the selected modes. All setup information is displayed on the LED readout. To reset to default (all modes off), go to mode B, select Dflt(3) and push the button in run. Set will light and all functions will reset to the default values.

SET UP CHART		DISPLAY	
Version 1.5		Mode A	Mode B
0) Start		Return	Return
1) Time out/Display		Tout on/(off)	15,30,(60),120 Seconds
2) Feed warning in UB		Feed "	2,(4),6,8 Hours
3) Jam lock		Jloc "	Dflt (Set)
4) Flash held frames		Flash "	1,(2),3,4,5 Frames
5) Hold clap frame		Hold "	(5),15,30,60,120 Seconds
6) EL backlight		EL (on)/off	node* B
7) Low brightness		node* A	LO brt (1), 2, 3 Intensity
8) -		-	-
9) -		-	-

\* Note: M is displayed as n on the 7 segment display. Default settings indicated by parenthesis.

MODES	
<b>Time Out:</b> Display times out when sticks are left open.	<b>Low Brightness:</b> Adjusts low display intensity.
<b>Feed Alert:</b> Reminds you when to jam.	<b>Hold Clap Frame:</b> Displays the last time code after the user bits.
<b>Jam Lock:</b> Inhibits running time code without jamming.	<b>Scrollback:</b> Push button while sticks are closed to display scrollback of previous claps.
<b>Flash Frame:</b> Changes intensity to ensure exposure.	Scrollback memory is cleared at power off.
<b>EL Backlight:</b> Enable/disable in low brightness.	

SPECIFICATIONS	
<b>Size:</b> 8.25" x 11" x 1.3" (21 cm x 28 cm x 3.3 cm)	<b>Input:</b> -15 db at 4.7k 1/4" phone jack.
<b>Weight:</b> 2.35 lbs. (1.05 kg) 2.7 lbs. with batteries (1.25 kg)	<b>Power:</b> 5.7v to 16v DC
<b>TCXO:</b> ±1ppm @ -30° to +75° C	<b>Battery Pack:</b> 6 alkaline "AA" batteries. [Note: Remove batteries when using external power!]

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