

TIME CODE OSCILLATOR / GENERATOR



FRONT VIEW



REAR VIEW

STABILIZED OSCILLATOR GENERATES IRIG-B, SMPTE OR EBU TIME CODES

- Generates 30 fps SMPTE, 25 fps EBU, 24 fps FILM or IRIG-B (modulated and unmodulated) time codes
- Functions as a backup time code source for master clock systems
- Can be connected to GPS-200 master clock generator to automatically synchronize to GPS atomic clock time. Upon failure or removal of GPS-200 the TCO-100 will revert to a highly stable internal crystal oscillator and continue to provide an accurate time code output.
- Internal precision crystal oscillator (TCXO) provides accuracy of +/- 1 minute per year (<165 ms / day)
- 6 digit red LED time or date display on front panel
- Front panel accessible mode, date & time set switches for manual operation
- All functions can be controlled via RS-232
- -11.5 to +12 hour selectable time zone offsets - 30 min. increments
- Automatic daylight saving time adjustment (selectable) is standard for North America and available for other countries throughout the world.
- 120/240 VAC with supplied external wall mounted power supply or 9-28 VDC operation. Power supplies are available for most countries throughout the world.

I/O CONNECTIONS

- Input power is 9 - 28 VDC via - 2mm female power connector
- Power consumption < 2 watts
- Supplied with wall mounted 12 VDC power supply
- Time Code Output – DB-9 male (supplied with DB-9 to BNC adapter)
- RS-232, pps pulse - DB-9 male

PHYSICAL

- 4.2W, 1.5H, 5.5d in. - 10.6w, 3.8h, 14d cm
- 16 oz - 435 GR. (approximate w/o ps)
- Power supply (approximate) 12 oz – 340 GR.
- Eggshell white case with burnished aluminum front & rear face plates
- Optional rack mount