

TDG200DT Time/Date Generator

TIME/DATE VIDEO DISPLAY

Product Features

- 120 or 230 VAC Input Models Available
- Jitter-Free Display
- Optional Battery Backup
- Desktop or Rack Mount
- Time and Date Sets like an Electronic Digital Watch
- Display Positionable within 100% of Active Picture Area
- All Controls on Front Panel
- 99-Year Automatic Calendar

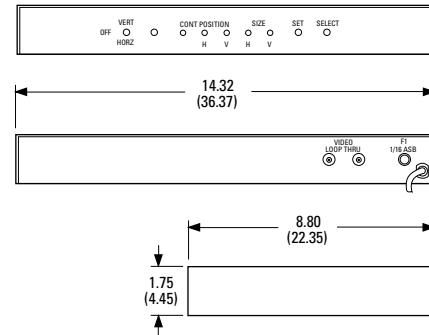


The **TDG200DT** is a digital time/date generator which superimposes time and date characters upon any video signal for presentation on a TV screen or video device such as a monitor.

The **TDG200DT** incorporates many features not found on higher priced units. Time and date functions set like an electronic digital watch, with time and date characters positionable within 100 percent of the active picture area. A hybrid character generating circuit provides a jitter-free character display. This display is related to instantaneous picture brightness, such that characters remain visible even in high brightness areas.

A ninety-nine year calendar automatically adjusts for the correct number of days in a month, including leap year. All controls are easily accessible on the front panel. An optional battery (TDG200BDT) ensures operation during power loss.

The **TDG200DT** is a desktop unit that can be rack mounted using the RKS10 Rack Mount Kit.



NOTE: VALUES IN PARENTHESES ARE CENTIMETERS; ALL OTHERS ARE INCHES.



DataFAX
SPEC: 2620
MANUAL: 26206

C620/ REVISED 10-00



International Standards
Organization Registered
Firm ISO 9001 Quality System



TECHNICAL SPECIFICATIONS

MODELS

TDG200DT	Desktop time/date generator. Superimposes month-day-year, hour-minutes-seconds onto TV picture. 120 VAC
TDG200DT/220 TDG200BDT	Same as TDG200DT except 230 VAC operation Same as TDG200DT, except with battery backup. Battery option includes trickle charging circuit, crystal controlled timing generator and Nicad battery. Assures that loss of timing accuracy will be negligible for a 200-hour period of power failure. 120 VAC
TDG200BDT/220	Same as TDG200BDT except 230 VAC operation

CONTROLS

ON/OFF	Three position toggle switch:
Center/OFF	Bypass position
Up/VERT	Date displays below time
Down/HORIZ	Date displays to the right of time
SELECT	Pushbutton; advances control circuitry through 8 steps:
	1 — All characters split
	2 — Run/Normal
	3 — Seconds
	4 — Minutes
	5 — Hours
	6 — Days
	7 — Months
	8 — Years
SET	Recessed pushbutton. When depressed, starts automatic incrementing of selected digit. Stops clock when setting seconds.
Recessed Screwdriver Adjustments	Horizontal position, vertical position, character width, character height, and contrast
Automatic	99-year calendar automatically adjusts for number of days in month, including leap year

ELECTRICAL

Input Voltage	120 VAC, 50/60 Hz or 230 VAC, 50 Hz (as noted above)
Power Requirements	2 watts
Connectors	BNC
Video Input	0.7 to 2.0 Vp-p, source terminated, composite video, sync negative. Accepts monochrome, NTSC, Pal, Palm, Secam, or CCIR, random or configured interlace. 50/60 Hz field rate, 401 to 1029 line rate
Video Output	Characters are superimposed upon input signal with high impedance bridging circuitry. Character amplitude is adjustable from less than 0.25V to greater than 1.0V
Fuse Protection	3 AG amp, 1/16 amp Slo Blo
Power Cord	3-wire grounded, #18 AWG

GENERAL

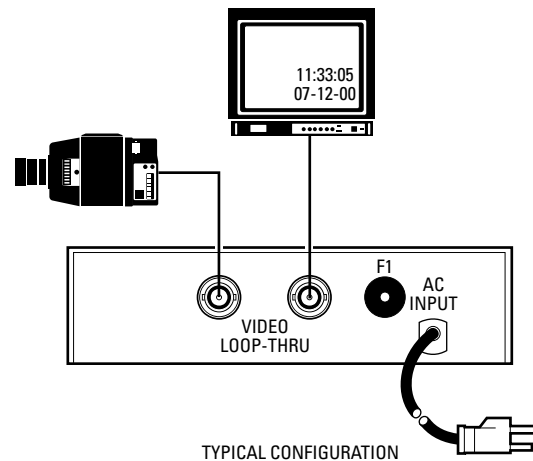
Character Height	Minimum is 1/10th of monitor screen height Maximum is 1/2 of monitor screen height
Construction	
Cover	Steel, black polyester powder coat
Chassis	Steel, zinc plated
Panel	Aluminum, black polyester powder coat with white silk-screen
Environment	32° to 120°F (0° to 49°C)
Humidity Tolerance	85% (non-condensing)
Dimensions	
Desktop	1.75" H x 14.37" W x 8.80" L (4.45 x 36.49 x 22.35 cm)
Rack Mount	1.75" H x 19.0" W x 8.80" L (1 RU) (4.45 x 48.26 x 22.35 cm)
Weight	<u>Unit</u> <u>Shipping</u>
TDG200DT,	
TDG200DT/220	7.16 lb (3.25 kg) 8 lb (3.62 kg)
TDG200BDT,	
TDG200BDT/220	5.64 lb (2.55 kg) 7 lb (3.17 kg)

CERTIFICATIONS/RATINGS

- CE, Class A (TDG200DT/220, TDG200BDT/220)
- UL Listed (TDG200DT, TDG200BDT)
- FCC, Class A (TDG200DT, TDG200BDT)
- Meets NEMA 1 Standards

OPTIONAL ACCESSORIES

RKS10	Rack mounting kit. (Order one kit for each unit.)
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