

# Masterclock®

## Time Code Driven Clocks

### TCDS19



#### STANDARD FEATURES

- > 1-in (2.5 cm) 9-digit LED display available in red, green, blue or amber
- > Reads IRIG-B, SMPTE 12M, 309M, 24/25/30 fps, 29.97 drop frame
- > Retains time and date during loss of power and/or reference using a battery backed real-time clock (RTC) chip and maintenance-free rechargeable battery
- > Configures to time zone and daylight saving time parameters
- > WinDiscovery software utility included - provides easy configuration of clocks
- > Configuration is saved to non-volatile memory and survives power losses
- > Password protection prevents unauthorized clock configuration tampering
- > Display time in 12- or 24-hr format - hh:mm:ss with three-digit day of year
- > Display date - mm:dd:yy, dd:mm:yy or yy:mm:dd
- > Configurable to alternate showing date and time automatically
- > Adjustable brightness levels
- > Visibility: 50 feet (15 meters)
- > Dry contact relay option
- > PM indicator

#### OPTIONS

- > Surface mount (desktop version)
- > Rack mount (TCDS19-RM)



#### SPECIFICATIONS

##### Connectors

- > BNC female
- > 3-pin terminal block
- > USB - for configuration
- > DC input - 2.1 mm female DC power plug
- > IEC C5 A/C Power

##### Power

- > Choice of - IEC AC or DC (24 VDC)
- > International IEC AC 90-240v, 50/60 Hz
- > Power consumption: < 15W

##### Operating Parameters

- > Temperature: 0 to 60°C
- > Humidity: up to 90% (non-condensing)

##### Physical

- > Black powder-coated steel chassis
- > Surface mount (desktop version)
  - Size: 10.9w x 1.75h x 4.5d in (27.64w x 4.5h x 11.4d cm)
  - Weight: 1.0 lbs (0.5 kg)
- > Rack-mount
  - Size: 16.9w x 1.7h x 3.5d in (43w x 4.31h x 8.9d cm)
  - Weight: 1.73 lb (0.78 kg)

##### Compliance

- > FCC, ROHS, CE Marked, ANSI

The optional **RC600** (above) is a remote control that adds both count-down and count-up timer control features to our NTDS and TCDS clocks. Uses WinDiscovery software.

**MASTERCLOCK, INC.**

**5-YEAR LIMITED PARTS & LABOR WARRANTY**

**MADE IN THE USA**

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