

# XMT-32S

## Transmitter Controller



### DESCRIPTION

The XMT-32S Transmitter Controller produces timing signals for controlling the GGT, ZT and NT transmitters. Provision is made for synchronizing multiple controllers and GDP receivers. Frequency control can be accomplished either manually or by a time sequence program, which is loaded through the RS-232c port. Time sequence status and frequency are displayed on an LCD on the front panel.

### FEATURES

- Time or frequency domain control
- Frequency range: 1024 second period to 8192 Hz n
- Compatible with all GGT, ZT and NT-series transmitters
- Automatic transmitter control via time table
- Calibrator output
- LCD frequency display

## SPECIFICATIONS FOR THE XMT-32S TRANSMITTER CONTROLLER

### General

Synchronous time-base with internal calibrator  
Time or Frequency domain capability, 50% or 100% Duty cycle  
Frequency range in Binary Steps:  
    1024 sec. to 8192 Hz  
Size: 28 x 21 x 18 cm (11 x 8 x 7 in)  
Weight: 6.4 kg (14 lb)  
Enclosure: Heavy duty, environmentally sealed aluminum case  
Power: 12 V rechargeable battery more than 10 hours continuous operation  
Temperature range: - 40o to +60oC (- 40o to 140oF)  
Humidity range: 0 to 95% non-condensing  
Time base: Oven-controlled crystal oscillator; aging rate <5 x 10<sup>-10</sup> per 24 hours (Optional crystal: 1 x 10<sup>-11</sup> per 24 hours)

### Displays & Controls

LCD frequency display  
Phase/Battery meter  
Time/Frequency domain switch  
Phase/Battery meter switch  
Calibrate output switch: .025 / . 25 / 2.5V PP  
Reset switch  
Frequency range stepping switch  
Auto/Manual switch for timetable operation  
Mode stepping switch  
Circuit Breaker

### Outputs & Inputs

12V Battery charge input  
Transmitter control/synchronization Input/Output  
RS232c Input/Output for time series  
Calibrate output

### Functions

Can be synchronized with GDP-series receivers for synchronous measurements  
Designed to control GGT, ZT and NT-series transmitters in both time and frequency domain  
Continuous phase coherency between 1024-second period and 8192 Hz  
20 milliamp signal outputs for transmitter control  
Reset pulse output for GDP-series receiver  
Capable of controlling other manufacturer's transmitters  
(Inquire for Compatibility)