APP Engineering, Inc.

APP-110 IRIG-B ANALYZER / GENERATOR

Decode and analyze IRIG-B timing signals with the APP-110 IRIG-B Analyzer.

Validate the integrity of your time sensitive monitoring equipment at every level by using the APP-110 IRIG-B Analyzer by generating an IRIG-B time signal and other signals.

**KEY FEATURES**

- Battery powered
- 3.5" backlit touchscreen display
- Oscilloscope view
- IRIG-B time signal decoder and analyzer
- IRIG-B/1PPS time signal generator

Oscilloscope view and decoded IRIG-B time

Generate IRIG-B time signals and sync input

Output custom IRIG-B time signal
FRONT PANEL

Oscilloscope view of input signal
Hold and run modes
50ms or 100ms window with autoranging
Decoded IRIG-B information including:
- Time
- Date
- Time code
- Daylight saving
- Time quality

INPUTS

Micro-USB power connector
3/4 inch spaced banana plug connectors
BNC input using BNC to banana plug adapter
Autodetect modulated/unmodulated/1PPS input
IRIG-B time signal
Ability to detect if input signal is IEEE 1344 compliant
Accepts general signals <30V for oscilloscope display

PHYSICAL

Dimensions: 6.73” (L) × 3.39” (W) × 1.24” (H)
Weight: 200 grams / 7.1 oz (without battery)

POWER

Power supply:
- 5 VDC battery pack
US plug 5VDC micro-USB adapter included

INPUTS

3/4 inch spaced banana plug connectors
BNC input using BNC to banana plug adapter
Autodetect modulated/unmodulated/1PPS input
IRIG-B time signal
Ability to detect if input signal is IEEE 1344 compliant
Accepts general signals <30V for oscilloscope display

OUTPUTS

2 BNC outputs: 1 sine wave / 1 square wave
Sine wave output modes:
- Modulated IRIG-B time signal
- 1 pulse per second
- 60Hz sine wave
- 50Hz sine wave
Square wave output modes:
- Unmodulated IRIG-B time signal
- 1 pulse per second
Ability to sync input IRIG-B time signal to output IRIG-B time signal
Output custom IRIG-B time signal set by user

ENVIROMENTAL

Operating temperature range 0°C to 50°C
Humidity 0% to 95% non-condensing

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