



IRIG-B ANALYZER

Decode and validate your IRIG-B timing signals with Tektron's IRIG-B Analyzer. With multilevel signal support, the IRIG-B Analyzer enables accurate on-site fault diagnosis through a hand-held, rugged, portable and battery operated form factor.

KEY FEATURES

- Multilevel signal support
- Handheld ruggedized exterior
- 2.5" backlit display
- Intuitive user interface
- Battery powered
- Field upgradable firmware
- Bluetooth
- Smart Device Interface



SCOPEAPP™

Decode and graph your IRIG-B timing signals with this IRIG-B oscilloscope application software that utilizes the enhanced processor and screen capabilities of your smartphone when wirelessly connected to Tektron's IRIG-B Analyzer.

KEY FEATURES

- Multiple capture capability
- Hands-free capture
- Graphical waveform display
- Selectable options to email the captured content
- Export the waveform and report as a CSV file
- Export the waveform as a PNG image
- Push notifications alert the user when valid capture has been received
- Supports multiple Bluetooth versions

PHYSICAL

Dimensions: 165 mm (L) x 82 mm (w) x 26 mm (H)
Weight: 400 grams
Ingress Protection: IP41 with rubber overmoulding and fibre cap fitted

FRONT PANEL

2.5" backlit monochrome LCD display
Displays the decoded IRIG-B information including:
Time
Date
Quality
Control functions and extensions
Binary seconds
Waveform RMS voltage

INPUTS

Fiber RX (62.5/ 125 μ m, λ 820 nm), compatible with multi-mode fiber (SC Fiber connection)

1.2 m banana plug test leads

Bluetooth – supports field upgradable firmware
– waveform download to Smart Device

SUPPORTS

Protocols Supported Include:

Modulation Type

- Amplitude Modulated IRIG-B12x
- DC Level Shift IRIG-B00x
- Modified Manchester IRIG-B22x

Control Functions (Extensions)

- IEEE 1344
- IEEE C37.118
- IEEE C37.118.1
- AFNOR

IRIG-B Standards

- IRIG 200-95
- IRIG 200-98
- IRIG 200-04

Voltage levels

- TTL
- RS232
- RS422
- RS485



IRIG-B top cap showing connectors

CERTIFICATION

The IRIG-B Analyzer meets the following certifications:

IEC 61010-1

CAT III rating



ENVIRONMENTAL

Power supply:

- 2 x AA batteries **(not included)**
- Extended battery life – 140 hours

Operating temperature range: 0°C to +50°C

ACCESSORIES INCLUDED



1.2m Test leads



SC to ST Fibre adapter



BNC T connector

WARRANTY

12 months from date of purchase



ABOUT TEKRON

Tekron is a global leader in providing high precision GPS and atomic clock time keeping technologies and solutions that enable synchronization of advanced networks and services. Installed in over 70 countries, these solutions are used to provide critical timekeeping in national power grids, as well as civilian and military networks. Our customers are predominantly power utility network operators, telecom networks and enterprise industries such as banking and petroleum.

CONTACT US

Website:

www.tekron.com

Phone:

+64 4 566 7722

Australia Freephone:

1800 608 572

North America Freephone:

1800 256 2309

Sales Enquiries:

sales@tekron.com

Support Enquiries:

support@tekron.com



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