Model 940A Timing System Analyzer

1, 2 Inputs - IRIG-B (modulated, unmodulated, modified Manchester), DCF77 or 1PPS signals (25 Vpk maximum).

3 LED Flashlight - Adjustable LED light.

4 USB 2.0 Port - Charging and programming port, check website for latest firmware updates.

5 Auxiliary I/O port - Accessory port - Do Not Connect to an Ethernet port. See manual for accessories.

6 Source Output - Adjustable source for IRIG-B (modulated, unmodulated), DCF77 and 1PPS.

7 Ambient Light Sensor - Auto-adjusts backlight intensity.

8 On/Off Switch - Turns power on/off; quick touch while off and charging displays battery status.

9 Capacitive Touch Screen - Press the appropriate button to enter the corresponding configuration or display menus.

10 Bail - Nested bail for desktop viewing (rear panel).

11 Speaker - Adjustable built in speaker (rear panel).

Input and Source Display
Full Screen - Large text for easy viewing
Split Screen - Text on top and graphical view on bottom
magnifying glass (+)/(-) - waveform zoom in / zoom out
pause/play - pauses/resumes graphic data for easy reading
scroll bar - scrolls viewable section of waveform graphic

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Input Configuration
IRIG-B Unmodulated
IRIG-B Modulated
IRIG-B Manchester
1PPS
DCF77
Load (50 Ohm, 100 Ohm, Off)

Source Configuration
Signal Selection - IRIG-B unmodulated, IRIG-B modulated, 1PPS or DCF77
Time Source - Input 1, Input 2 or Custom.
Duplicate Input passes IRIG-B input signals without adjustments

Time Source Adjustments
UTC or Local time
Daylight Saving Time
Leap Second
IEEE 1344/C37.118

System Configuration
Flashlight
Speaker Volume
Back Light - Auto or Manual
Real Time Clock (RTC) Date/Time
RTC Synchronization Source

Power
5 Vdc via USB port. Minimum 1 amp charger with 24 AWG
5-pin micro-USB cable recommended
4 - Internal Lithium Ion Batteries* charged via USB port
Charging: 5 Vdc @ 1 A (maximum)
Temperature
Operating: -10 °C to +50 °C
Charging: 0 °C to +45 °C
Nonoperating: -40 °C to +75 °C

*Keep batteries charged to prolong battery life
Battery Status:
[ ] Normal (not charging)
[ ] Low Voltage
[ ] Charging

Package Contents
Model 940A
Soft Carrying Case
USB Charger
USB to micro-USB Cable
BNC Patch Cable (M-M) 2.5 m (8 ft)
BNC T-Connector (F-M-F)
BNC (Female) Breakout to Screw Terminal
BNC (Female) Breakout to 100 mm Wires
2-pole, 5 mm, Connector

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