

## Sniffer 24



Model: **Sniffer 24**

## Recorder Features and Specifications

### Features

- AC/DC current and voltage monitoring
- Up to 26.1 KHz sampling frequency
- Up to 360 samples per cycle
- 24 analog input channels
- Dry contact monitor
- Non-intrusive current and voltage sensors
- User defined triggers on all channels
- Unattended data capture and file storage
- Universal power supply 85-265VAC, 120-370VDC

### Description

The Sniffer 24 is a high accuracy, high speed analog to digital recorder. The recorder has 24 analog input channels with 16-bit resolution and 21.6 KHz per channel sampling rate. It is provided as a portable unit or a fixed installation rack mount.

The recorder is rugged with a fan-less, -20°C to 65°C operating temperature. It accepts multiple sensor types on any input port to monitor AC and/or DC Voltages and Currents. It is a powerful investigative tool for trouble shooting, timing and monitoring. It may also be used as a permanent disturbance monitor with Ethernet network connectivity. It has user defined triggers on any or all channels.

The system sensors can safely be connected to equipment without circuit interruption or removing equipment from service. It is ideally suited for deployment and capture of transient events or static testing. Users may connect a monitor, keyboard and mouse.

### Specifications

#### Computer:

SBC	Intel® ATOM™ D525, 1.8GHz
RAM	4GB
Storage	32 GB SSD
Operating Temp	-20°C to 65°C
USB Ports	(4) USB 2.0
Serial Ports	(1) RS-232 (1) RS 232/485
Networking	(2) 10/100/1000 Mbps
Input Power	85-265VAC, 120-370VDC
Power	20W
Shock	IEC 68-2-27
Vibration	MIL-STD-810E 514.4

#### Recorder:

Channels	24 Analog Inputs (RJ45)
Resolution	16-bit A/D (65,536 steps)
Sampling Rate	Up to 21.6 KHz/Channel
Operating Temp	-20°C to 65°C
Accuracy	<± 2LSB (after auto-calibration)
Skew Factor	0.5° Max (parallel sampling)
Input Mode	Differential
Input Ranges	±10V, ±5V, ±2V, ±1V, ±0.5V, ±0.2V, ±0.1V

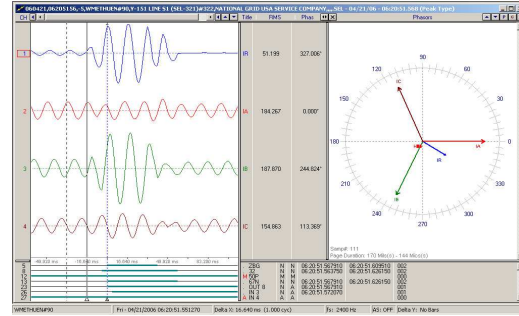
## Sniffer 24

**Case:**

Dimensions (L x W x H) 19 x 15 x 3.5 Inches  
 Weight (Portable) 10 lbs. (w/ Case 20 lbs.)

**Set Includes:**

- 1 – High Speed 24 Channel Recorder
- 4 – AC Current Sensor (Model #: CS-SC-200)
- 4 – AC/DC Voltage Sensor (Model #: VS-OA-500)
- 8 – AC/DC Current Sensor (Model #: CS-HE-CPL)



## Measurements and Calculations

- Voltages A, B, C line to neutral phases
- Currents A, B, C phases and neutral
- Temperature Fahrenheit, Kelvin, Celsius
- Targets DC signatures (relay trip)
- Frequency Cyclic, delta T, instantaneous
- Components -, zero, + sequences
- Location Single/double ended
- Power Active, reactive, power factor
- Keys Zero crossings/peaks
- Duration Up to 22k scans w/user settings
- Rate Up to 360 samples/cycle
- Standards C37.111, C37.114, C37.118, C37.232
- Timing IRIG-B/PPS (0.2 msec accuracy)

## Captures and Triggers

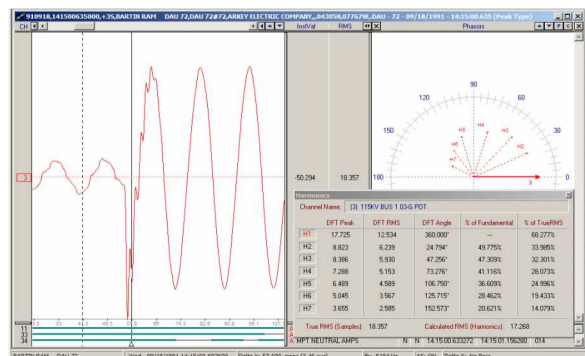
- Disturbance: Continuous capture (1 - 5 minutes)
- Periodic: 1 sec - 15 min averages (daily)
- Triggers: Instantaneous (spike filters)  
 RMS (recursive, 1 cycle seed)  
 Peak (recursive DFT)  
 Phase (user defined reference)  
 Harmonic/Frequency (custom)
- Settings: Less than (raw or absolute)  
 Equal to (raw or absolute)  
 Greater than (raw or absolute)  
 Rate of change (for any trigger)
- Hysteresis: Persistence (in milliseconds)  
 Boundary (upper and lower)

## Images

### Sniffer (Front and back)

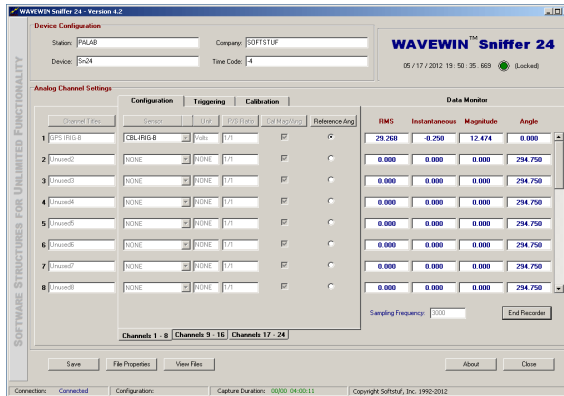


### Directional Harmonics Display



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Configuration Software



Ordering Information

Item	Part Number	Description
1	Sniffer 24	The Sniffer 24 is a high accuracy, high speed analog to digital recorder

Contact Us

To purchase systems, please contact our Sales department at: Phone: 800.818.3463

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