

# GAUGE Recorder

## USB Raw Gauge Voltage Recorder Interface



The Gauge Recorder is a USB based interface box. It allows recording of raw voltages into standardized WAVE files on a PC of amplitude-modulated communications (typical downhole pressure gauges). On one side is the USB connector that is plug-and-play and can be used with any modern laptop or PC running Windows 2000/XP. On the other is a twisted pair that connects in parallel with the gauge power. It records data into a standard WAVE file format and there are a

plethora of inexpensive Windows Audio PC programs available on the market that allow analysis as well as editing (i.e. filtering and other DSP processing) of the recorded signal. Nilsen Consulting, Inc. is working on a second interface box that will allow playback of the recorded data using a standard PC sound card.

### Specifications:

- USB 1.1 compliant
- Size: (W x H x D) 4¼" x 2½" x 1"
- Weight: 1/3 lbs.
- Powered from the USB - no external supply required
- 16-bit A/D
- Sample Rates (PC software selectable): 8kHz, 11kHz, 22kHz, 44kHz, and 48kHz
- Programmable Gain Amplifier: -59dB to 20dB
- Dynamic range (preliminary): 10Hz to 18kHz
- Maximum Gauge **DC** Voltage Level: ±50VDC
- Maximum Gauge **AC** Voltage Level: -0.3V to 3.6V
- Uses off-the-shelf PC Audio program for recording (included)

Price: \$350.00. Ordering part number: PN88343 – Gauge Recorder