SPECIFICATIONS

Power

Input Power:	6VDC @100mA
Receptacle:	2.1mmx5.5mm coaxial DC jack

PC Interface

Communications:	Serial RS-232C*
BAUD rate:	115.2K
Connector:	9-pin, sub-D, female

I2C Interface

Connector:	5-pin, latching (0.100" spacing, 0.025" pins, Molex 70553-0004)
Pins:	Pin 1 = Gnd
	Pin 2 = SCL (Red)
	Pin 3 = Gnd (Black)
	Pin 4 = SDA (Green)
	Pin 5 = Gnd
Bus Speed:	DC to 1.0Mbit/s (not all bus errors captured)
	DC to 700kbit/s (bus errors captured)
Input Threshold:	V_{IL}: 1.0V (typ.)
	V_{IH}: 2.0V (typ.)
	V_H: 0.8V (typ.)
Input Range:	-0.3V to 5.5V (operational)
	-5.0 to +10V (max. rating)
Input Capacitance:	45pf – typical (including 34" probe cable)

Trigger Output

Connector:	BNC
Output Signal:	10uS, 3.3V pulse

LEDs

Power:	Power-On
SCL:	Bus clock activity
SDA:	Bus data activity
Trigger:	Message Recording / Trigger Event

Message Recording

Capacity:	32Kb buffer
Triggering:	Address, Data, R/W, Frame Error combination
Pre-Trigger:	Selectable 25%, 50%, and 75% pre-trigger recording
Message Time Stamp:	1us to 1.0485s, 1us resolution. Period measured from Message Start to Stop, or Start to repeated Start.

Timing Waveform

Sampling Rates:	Selectable – 50ns, 100ns, 200ns, 500ns, 1us, 2us, 5us, 10us, 20us, 50us, 100us, 200us, 500us, 1ms
Sampling Capacity:	8K/channel
Pre-Trigger Recording:	Selectable – 0%, 25%, 50%, 75%, 100%
Capture Modes:	Triggered and Free-run (SnapShot)

PC System Requirements

- Microsoft Windows 98/2000/XP
- Serial port*, 115.2K BAUD
- CD ROM Drive
- 5 MB hard drive space

*Note: If the host PC does not have an available COM port, but does have a free USB port, a USB to RS-232 converter can be used to communicate with the desktop unit. Successful operation has been achieved with the IOGear Model GUC232A USB to Serial/PDA converter cable.