

**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<sub>IL</sub>: 1.0V (typ.)  
V<sub>IH</sub>: 2.0V (typ.)  
V<sub>H</sub>: 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: 20uS, 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.

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## 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.