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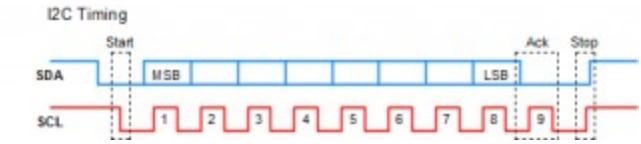
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Jupiter Instruments

Model JI-216

I2C Bus Monitor - USB



Customer Troubleshooting Example

Software Demo



Model JI-216

The JI-216 I2C Bus Monitor is a low cost, easy-to-use PC hosted instrument specifically designed for troubleshooting and debugging I2C networks. The JI-216's high speed FPGA based architecture captures and displays all valid, or invalid I2C messages up to and including the 3.4Mbits/s HS bus rate. Variable SDA/SCL filtering, a signal voltage range range from 0.5V to 15.0V, and selectable triggering provides flexibility in monitoring a variety of I2C systems. An intuitive Windows application manages instrument setup and control. Communications and unit power is provided via a USB 2.0 connection.

Features

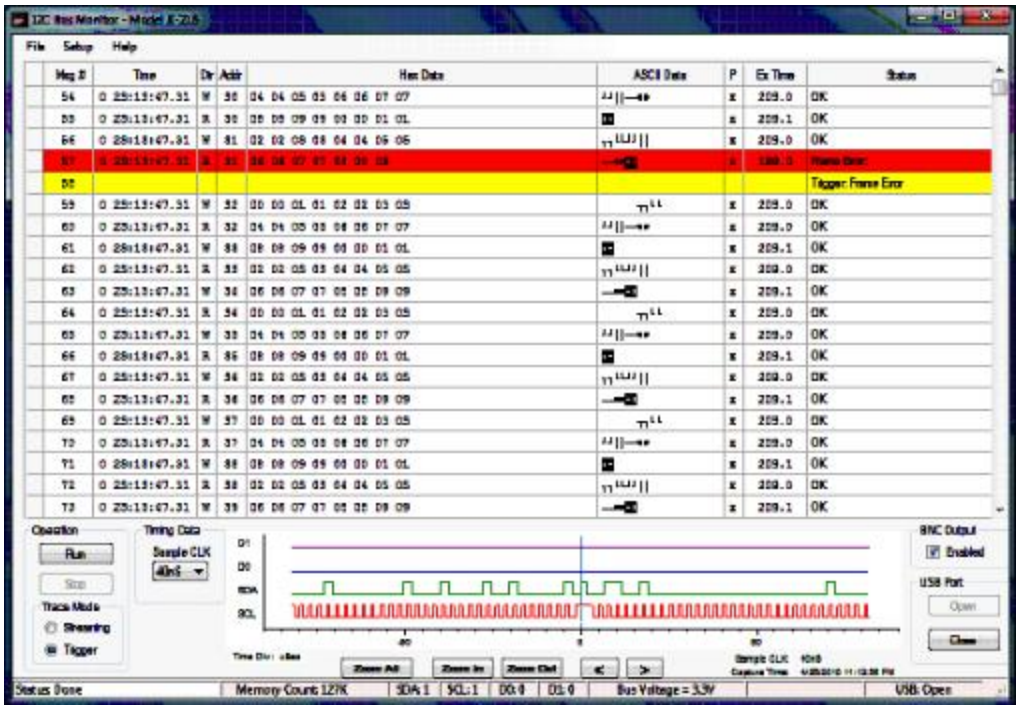
- Passive bus traffic monitoring
- Compatible with Standard-mode (100kbit/s), Fast-mode (400kbit/s), Fast-mode Plus (1.00Mbits/s), and High-Speed mode (3.4Mbit/s)
- Input signal range from 1.50V to 15.0V via programmable VIH and VIL thresholds (10mV steps)
- Timing waveform display with 20nS resolution
- Time stamping and message period timer
- I2C messages displayed in either Real-time Streaming* or Trigger mode
- Trigger signal available at BNC connector - used to trigger external test equipment
- USB 2.0 host interface – No external power required
- Easy-to-use Graphical User Interface (GUI) software included

* Real-time streaming mode limited to an aggregate maximum, sustained throughput rate of
1.0Mbits/s

Applications

- Hardware troubleshooting and test
- Software development and debugging
- Production-line testing.

GUI Screen Shots



Main Window



Trigger Menu



Setup Menu



Front View



Rear View



HS I2C Cable

Documents and Downloads

Documents	Version	Date
JI-216 Specification (52K pdf)	Ver1.1	3/17/10
JI-216 User's Manual (422K pdf)	Ver1.1	3/17/10

Software	OS win2000/WinXP*/WinVista/Win7	Version	Date
Software Demo (103K zip)		Demo	3/18/10
Software JI-216		Ver1.7	4/14/15

Questions or comments? Please email or call: sales@jupiteri.com or Ph: 949-716-0154

Jupiter Instruments

Updated on 2/13/20

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