USB, Mobile

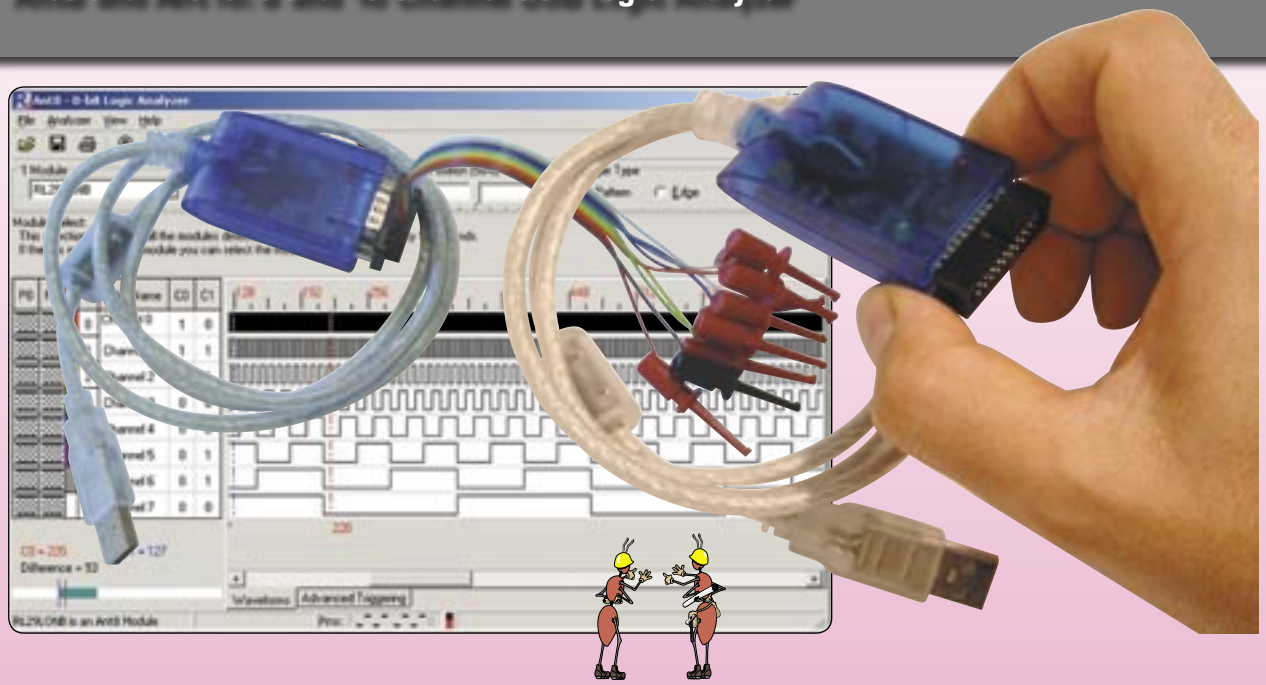
Model:
Ant8, Ant16

Platform:
- ❑ PCI
- ❑ PXI/cPCI
- ☑ USB
- ❑ Other

Functions:
- ❑ Analog I/O
- ❑ Digital I/O
- ❑ Temp./°C
- ❑ Interfaces
- ☑ Instrument
- ❑ Logger
- ❑ Isolation
- ❑ Accessory
- ❑ Software

Logic Analyzer in Pocket Size

Ant8 and Ant16: 8 and 16 Channel USB Logic Analyzer



- For **professionals, education and hobby digital technicians**.
- Mobile 8 or 16 channel USB logic analyzer.
- **Easy to use, low cost and flexible**.
- Portable **pocket size**.
- Power supply via USB port - no additional power adaptor required: Ideal solution for mobile use with notebooks.
- Models:
  - **Ant8:** 8 channels, 3072 samples memory depth.
  - **Ant16:** 16 channels, 2048 samples memory per channel.
- **500 MHz** sampling rate.
- Easy or complex trigger modes.
- Upgrades via software.
- Incl. **frontpanel software for Windows**. Runs with current Windows versions.
- Display of captured traces at the PC.
- Low cost test probe cable available as an option.

Ordering Codes:

Ant8
Mobile, compact USB logic analyzer; USB cable integrated. Power supply via USB. 9-pin D-sub male for logic probes. Incl. Windows software

Ant8 probe
15 cm colour coded flat ribbon cable, 9-pin d-sub female to 8 red test probes and one black GND probe

Ant16
Mobile, compact USB logic analyzer; USB cable integrated. Power supply via USB. Flat ribbon cable connector for logic probes. Incl. Windows software

Ant16 probe
15 cm colour coded flat ribbon cable, flat ribbon cable connector to 20 coloured test probes

Web Link: www.meilhaus.com/e_me

Software:

Included: Virtual front panel software - logic analyzer instrument front panel for Windows 98/Me, 2000, XP. Data output in text and CSV file as well as waveform print outs supported. 1 main cursor and 1 additional cursor.

Ant16 and Ant8 Probes

Specifications:

Inputs
- Sample rate:
  Ant8: Max. 500 MHz, min. 100 Hz. 5-2.5-1 sequence
  Ant16: Asynchronous see Ant8. Synchronous max. 100 MHz
- Channels: Ant8: 8, numbered as 0 - 7
  Ant16: 16, numbered as 0 - 15
- Memory depth:
  Ant8: 3072 samples
  Ant16: 2048 samples per channel
- Voltage: Max. +40...-40 V
- Threshold: Ant8: 1.4 V
  Ant16: 0.8...2.5 V; steps of 0.1 V
- Min. input Ant16: Low 0.5 V under threshold. High 0.5 V over threshold
- Distortion: <2 ns, channel-to-channel
- Impedance: 100 kΩ in parallel with 10 pF

Trigger
- Ant16 connector:
  Trigger in, trigger out. Trigger in only available in asynchronous clock mode (uses internal clock). In synchronous clock mode this pin is clock in
- Conditions: 0, 1, rising, falling, any edge, "don't care" for all channels
- Logic: Multi-state trigger logic with edge, pattern, complex trigger. Complex trigger includes event counts, measurements of min./max. duration
- Position: 10...90% of buffer, 10% steps
- Pattern recognition: 2
- Edges: Trigger on condition "true" or "false"
- Pass counter: 0 to 1023

General Data
- Temperature: Operation +5...+40°C, storage -40...+75°C
- Size (mm): 65 x 35 x 15
- Power supply: Via USB cable. No external supply required; consumption max. 1.5 W (Ant9), max. 2.2 W (Ant16)
- Connectivity to PC: USB (USB cable integrated)
- Logic probes:
  Ant8: 9-pinr D-sub male
  Ant16: Flat ribbon cabel connector