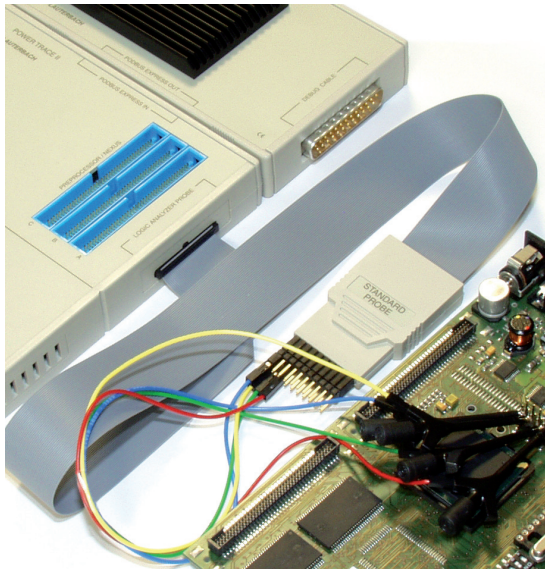


## Logic Analyzer Probe for PowerTrace II



Since July 2006, PowerTrace II can be used not only to record the program and data flow but also to record up to 17 digital data channels or 4 voltage/3 current channels.

The following probes can be connected with the *Logic Analyzer Probe* connector of PowerTrace II (see picture):

- *Standard Probe* for recording up to 17 digital data channels
- *Analog Probe* for recording 4 voltage or 3 current channels

The real-time trace system of the PowerTrace II contains:

- Up to 2 Gigabytes of trace memory for recording the program and data flow
- A 512 k trace-entry memory for recording the additional digital or analog signals

Since the timestamps for the two trace memories are generated by the same 48-bit timer, the time correlation can be clearly displayed between the program and data flow and the additional recorded channels. The analysis of the behaviour over time of the additional channels can be made quickly and intuitively using tables or charts. If required the channel data can be easily exported as a file for further processing by external software.

### Standard Probe Data

- 17 digital data channels
- Voltage range 0-5 Volt
- Transient recording of up to 200 MHz

### Analog Probe Data

- 4 voltage channels 0-5 Volt
- 3 current channels  
(shunt resistor on the target hardware)
- 12-bit resolution
- 625 kHz sampling rate