

T500

500 picosecond Time-to-Digital Converter with USB data transfer

The Blue Sky Electronics **T500** is a high-performance time-to-digital converter with programmable real-time pulse processing capability and easy to use USB data transfer. Optimized for automated data acquisition to disk, the T500 can acquire, process and transfer thousands of scans with no intervention by the host PC.

Key Performance Specifications:

- 500 ps bin widths, 2 channels
- 500 ps dead time
- USB data transfer
- Flexible stand-alone chassis
- Internal or external scan trigger
- Low power

Real-Time Digital Pulse Processing:

- Slewing correction
- Signal Averaging and Compression
- Coincidence
- Custom

Applications:

- Time-of-Flight Mass Spectrometry
- Collider physics
- LIDAR
- Microscopy
- Fast, wideband pulse acquisition

