

Mercury[™] T2C & T2P USB 2.0 Type-C[™] Power Delivery Protocol Analyzer

Key Features

• Supports USB Power Delivery 2.0 and 3.0

Captures all CC and PD events and displays them in the easy-to-understand CATC Trace view

- Supports USB 2.0 Capable of capturing all USB 2.0 speeds (LS, FS, HS) over Type-A, B, & C devices
- Portable and Affordable Compact bus-powered system weighs under 8 oz.
- 256/512 MB Recording Memory Extend capture time with spool-to-disk recording (512 MB for T2P)
- High Impedance probe
 Non-intrusive probe preserves real world
 signal and timing conditions
- Advanced Triggering
 Isolates important traffic, specific errors or
 patterns
- Extensive Decodes

Mass storage, Bluetooth HCl, Hub, PTP/ Still Image, Printer, Human Interface Device (HID), Audio, Video, Communication and more

Hardware Filtering
 Automatically exclude non-essential traffic

 Event Reporting Quickly identify and track error rates, abnormal bus activity or timing conditions

Power Tracker[™] VBUS, VCONN, & CC power analysis (T2P only)

 SBU Capture Option Mercury T2P can decode SBU back-channel messages for Thunderbolt-3™ (LSTX) and DisplayPort™ (AUX) The Teledyne LeCroy Mercury T2C and T2P add USB Type-C and Power Delivery 3.0 support (SPR voltages only) to the industry's smallest and most affordable hardware-based USB 2.0 protocol analyzers. The Mercury combines the de-facto standard CATC Trace[™] display, USB class decoding and Power Delivery 3.0 support in an analyzer that fits in a shirt pocket.

View and Understand USB Protocol

Featuring the industry-leading CATC Trace[™] expert analysis software, the Mercury system provides an easy-to-use display that graphically decodes Power Delivery 3.0 protocol, in addition to USB 2.0 protocol traffic. With the Standard or Advanced edition, all protocol layers can be expanded to show the underlying transactions and packets. Tooltips help explain protocol events making it easier for non-experts to identify errors.

Real Time Triggering

Isolating specific protocol events with real time triggering is essential to capturing intermittent problems. The Mercury system provides sophisticated triggering with dragand-drop selections for PID type, data patterns, standard requests, errors and bus events. The Mercury features up to 512 MB of on-board memory and supports spool-to-disk capture for extended recording.

USB Power Delivery Support

The Mercury system supports USB Type-C and BMC Power Delivery 3.0 with capture and decode of all Power Delivery packets. View all PD negotiations over the CC wire including VDM's, role swaps, and entry/exit from alternate modes. The Mercury T2P provides all the PD support plus Power Tracker for vBUS & vCONN analysis and 512MB recording memory.

Find the Issues Fast

The Mercury system provides many mechanisms to measure and report on USB traffic. The Bus Utilization display shows data, packet length and bus usage by device. Using the Traffic Summary window, users can evaluate statistical reports at a glance or navigate to individual fields. Real time statistics show throughput by endpoint.

Feature Comparison	Mercury T2C USB PFe Compar3.3 46	5 11 Tf-0.019 Tw 7 (0 0 7 141.7076 5 6(PF	6a Tm(Mer)9.1 (cur)-9.