



The Solutions Provider

Field DC Analog Trending, Capture, Analysis and Display

The **DCT-9600** is a Digital Fault Recorder (DFR) for DC busses and feeders in traction power substations. This unit is designed to stream real-time analog values and transmit captured fault data to QEI's DC Trace workstation display and analysis software.

QEI's **DC Trace** software can provide real time viewing of up to twelve simultaneous analog traces in a user-friendly Windows® environment at any designated operator console on your enterprise network. This real-time data is streamed directly from the DCT-9600 to the DC Trace software module and subsequently to all active consoles. 2. Fault records may also optionally be saved to a USB drive for expanded storage capacity.

In addition to real-time values, the DCT-9600 will capture fault values at the remote site, and store them for subsequent reporting to the DC Trace workstation. The stored fault records are uploaded from the DCT-9600 directly to the DC Trace software for detailed viewing along with the fault profile waveform. DC Trace software also provides tools for further fault waveform analysis.

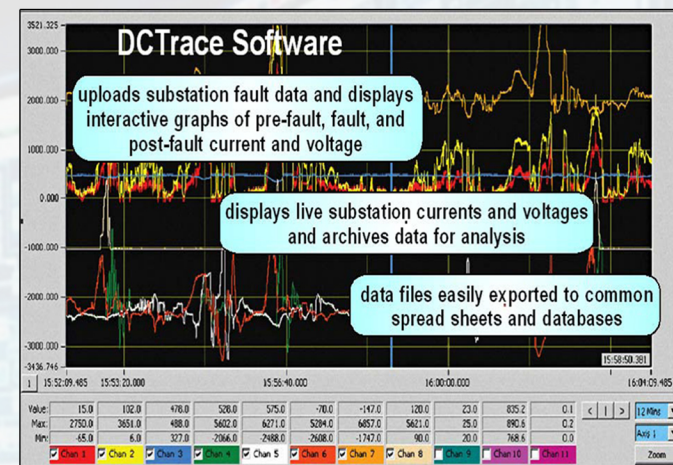
- Monitors 12 DC Analog Inputs (Transducer Supplied)
- 12 Status Inputs (Including 12 Trigger Inputs for Fault Capture)
- 4 Control Outputs (8 Relays)
- 2000 Samples Per Second
- 0 - 4000 Pre & Post Event Samples (System-wide Configurable)
- 200 Sample files may be stored locally without additional USB storage



DCT-9600

DC Trace

Digital Waveform Capture



- Data Transfer can be via the SCADA Protocol (such as DNP3 or Modbus) or via the Network Interface
- Samples may be Streamed at a Rate of 2000 SPS over TCP/IP Socket for Real-Time Trending
- 24/48 VDC or 125 VDC Powered with NEMA 4 Enclosure
- Record up to 24 hours of data at a user configurable rate of 1-2000 samples per second
- Create virtual channels through use of formulas and math equations to analyze analog traces in real time



QEI, LLC founded 60 years ago, has been serving the Electric Utility market with products and services in Distribution/Feeder Automation, Substations and Control Rooms. As an ISO9001:2015 Registered Company, QEI offers a dedicated fully staffed Customer Service department to support all our hardware and software products with in house product repairs, onsite startup/commissioning services and training in a location of your choice, and more. **QEI, "The Solutions Provider" we look forward to serving your needs.**

