DC Trace
Digital Waveform Capture

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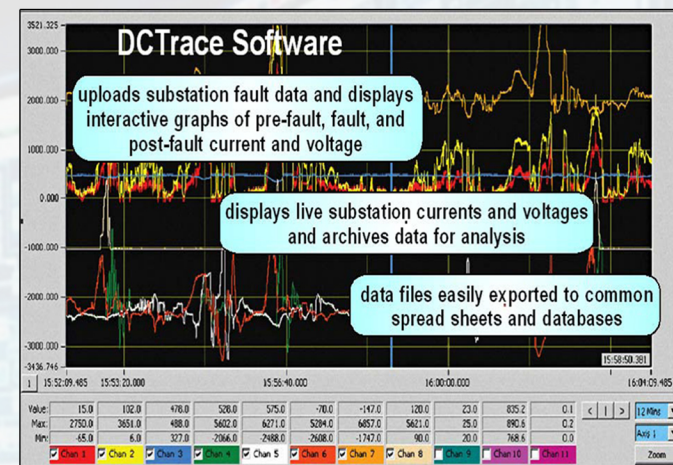
- Monitors 12 DC Analog Inputs (Transducer Supplied)
- 12 Status Inputs (Including 12 Trigger Inputs for Fault Capture)
- 4 Control Outputs (8 Relays)
- 2000 Samples Per Second
- 0 - 4000 Pre & Post Event Samples (System-wide Configurable)
- 200 Sample files may be stored locally without additional USB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

- 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

DCT-9600