Eclipse Touch Decoder

The Eclipse Touch MWD decoder system pioneers a new generation of performance and execution. As the market-leading decoder, it has been deployed on hundreds of rigs across North America and is the number one choice for its unmatched reliability and performance.

The system automatically deploys a series of proprietary algorithms to continuously and intelligently apply more than 100 filter combinations to ensure that even the weakest and noisiest signals are decoded. This fully automated filter application completely eliminates the need for user interaction, thereby maximizing decode success rates and eliminating the need for user training and support.
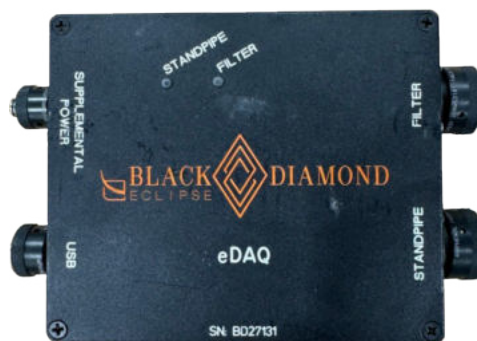
The Eclipse Touch software can be loaded onto any standard PC and provides a highly intuitive user interface designed with a complete focus on ease of use.

Configurable to Meet Exact User Needs

Options available to either supply all required components or to allow use of existing hardware:

Full System - Decoder hardware is installed in an intrinsically safe Rig Floor Display [RFD] running Eclipse Touch software. Pressure Transducer and cable connect to the RFD. Radio connection to the MWD Cabin PC.

eDAQ Alternative - Decoder presented as an intrinsically safe standalone unit with SPP input and USB output to any machine running Eclipse Touch software. User can us existing or local hardware to complete the system.

Features & Benefits

Manual Decode
Manual selection of missed synchronization pulses allows automatic reprocessing and minimizes risk of missed data and removes requirement to cycle pumps to regain synch.

WITS Connectivity
Fully configurable WITS in and out allows connection to standard rig systems or logging packages.

Wireless Connection
Simple PC-to-PC communication from rig floor to MWD cabin through off-the-shelf radio communication is standard.

Remote Operation Ready
Easily configured and reliable external communication makes remote operation of the system a reality.

Signal Replay
Input pressure signal is automatically recorded and can be replayed at any time for diagnostic purposes.

Interface Specifcations

Variable	Specification
Power Input	100-240 VAC, 50/60 HZ
Data Connection	USB-A
SPP Connection	19-pin Amphenol 4-20 mA

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